

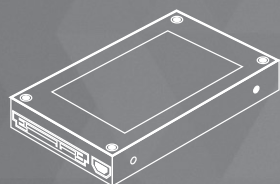
MEMORY
CARDS



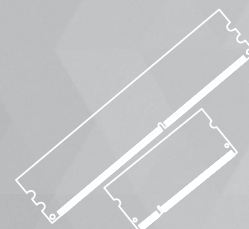
USB FLASH
DRIVES



ENCRYPTED
USB & SSD



SOLID STATE
DRIVES



DRAM

About Integral Memory

Integral Memory is a brand of Integral Memory plc, a company founded in 1989 in the UK as the era of the PC was just beginning. We began by supplying memory for very early PCs and data systems. Later in 1999 we began producing some of the very first memory cards and USB drives for the fast growing digital technology market.

Today, based at our UK headquarters, we produce a wide range of memory and storage products including; DRAM, Memory Cards, USB Flash Drives and Solid State Drives (SSD). We have also developed a specialism in producing AES 256-bit hardware encrypted USB and SSD. All our products are fully warranted and supported.

Currently, we find ourselves in exciting times for the memory market. As smart devices become more and more ubiquitous in everyday life, demand for memory cards that can store and run increasingly complex apps is growing. Likewise, Ultra High-Definition video formats such as 8K, 4K and 3D are becoming more common and new specifications of memory cards are required to keep up with the tech.

Within these pages you will find a host of new products that meet these demanding specifications, so no matter what your memory needs are, you will find the solution here.





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Memory Cards

01 | Memory Cards





V90



V90

SDHC/XC 280-240MB/s UHS-II V90

UltimaPro X2 SDHC/XC are professional grade memory cards from Integral featuring the UHS-II interface and designed to complement the latest pro DSLR cameras and video cameras compatible with UHS-II. Our advanced chip-set delivers blistering read and write speeds up to 280MB/s* and 240MB/s*. Ideal for recording 8K, 4K, 2K, Full HD, 3D video and RAW and JPEG images.

- Large RAW and JPEG images can be saved to UltimaPro X2 memory cards at ultra-fast speed, with no lag - great for burst-mode photography.
- Certified to V90 (Video 90) standard. V90 SDHC/XC memory cards offer 90MB/s* sustained video recording with no dropped frames.
- Designed to support cinema-grade video recording, ensuring smooth video capture at up to 8K resolution. Ideal for today's 4K UHD and Full HD devices and future-proof for 8K video.
- Made from Pseudo SLC (pSLC). Compared to normal MLC (used in other high-performance cards), Integral UltimaPro X2 memory delivers 6 times more endurance. Providing a substantial 20,000 Read/Write cycles.
- Optimised for high-performance devices that support UHS-II (Ultra-High-Speed Interface 2)
- Complete with free protective case
- 5 year warranty

microSDHC/XC 280-240MB/s UHS-II V90 + SD Adapter

UltimaPro X2 microSDHC/XC are professional grade memory cards from Integral featuring the UHS-II interface and designed to complement the latest action cameras, drones, pro-grade cameras, smartphones and tablets. Our advanced chip-set delivers blistering read and write speeds up to 280MB/s* and 240MB/s*. Ideal for recording 8K, 4K, 2K, Full HD, 3D video and RAW and JPEG images.

- Large RAW and JPEG images can be saved to UltimaPro X2 memory cards at ultra-fast speed, with no lag and great for burst-mode photography.
- Certified to V90 (Video 90) standard. V90 SDHC/XC memory cards offer 90MB/s* sustained video recording with no dropped frames.
- Designed to support cinema-grade video recording, ensuring smooth video capture at up to 8K resolution. Ideal for today's 4K UHD and Full HD devices and future-proof for 8K video.
- Made from Pseudo SLC (pSLC). Compared to normal MLC (used in other high-performance cards), Integral UltimaPro X2 memory delivers 6 times more endurance. Providing a substantial 20,000 Read/Write cycles.
- Optimised for high-performance devices that support UHS-II (Ultra-High-Speed Interface 2)
- UHS-II SD Adapter included
- 5 year warranty

SDHC/XC 280-240MB UHS-II V90

32GB	INSDH32G-280/240U2
64GB	INSDX64G-280/240U2
128GB	INSDX128G-280/240U2

microSDXC/XC 280-240MB UHS-II V90 + SD Adapter

32GB	INMSDH32G-280/240U2
64GB	INMSDX64G-280/240U2

* Based on internal testing

Memory Cards - UltimaPro X2



SDHC/XC 280-100MB/s UHS-II V60

UltimaPro X2 SDXC are professional grade memory cards from Integral featuring the UHS-II interface and designed to complement the latest pro DSLR cameras and video cameras compatible with UHS-II. Our advanced chip-set delivers blistering read and write speeds up to 280MB/s* and 100MB/s*. Ideal for recording 8K, 4K, 2K, Full HD, 3D video and RAW and JPEG images.

- Large RAW and JPEG images can be saved to UltimaPro X2 memory cards at ultra-fast speed, with no lag - great for burst-mode photography.
- Certified to V60 (Video 60) standard. V60 SDHC/XC memory cards offer 60MB/s* sustained video recording with no dropped frames.
- Designed to support cinema-grade video recording, ensuring smooth video capture at up to 8K resolution. Ideal for today's 4K UHD and Full HD devices and future-proof for 8K video.
- Optimised for high-performance devices that support UHS-II (Ultra-High-Speed Interface 2)
- Complete with free protective case
- 5 year warranty

microSDXC 280-100MB/s UHS-II V60+ SD Adapter

UltimaPro X2 microSDHC/XC are professional grade memory cards from Integral featuring the UHS-II interface and designed to complement the latest action cameras, drones, pro-grade cameras, smartphones and tablets. Our advanced chip-set delivers blistering read and write speeds up to 280MB/s* and 100MB/s*. Ideal for recording 8K, 4K, 2K, Full HD, 3D video and RAW and JPEG images.

- Large RAW and JPEG images can be saved to UltimaPro X2 memory cards at ultra-fast speed, with no lag-great for burst-mode photography.
- Certified to V60 (Video 60) standard. V60 SDHC/XC memory cards offer 60MB/s* sustained video recording with no dropped frames.
- Designed to support cinema-grade video recording, ensuring smooth video capture at up to 8K resolution. Ideal for today's 4K UHD and Full HD devices and future-proof for 8K video.
- Optimised for high-performance devices that support UHS-II (Ultra-High-Speed Interface 2)
- UHS-II SD Adapter included
- 5 year warranty

SDHC/XC 280-100MB UHS-II V60

64GB	INSDX64G-280/100U2
128GB	INSDX128G-280/100U2
256GB	INSDX256G-280/100U2

microSDXC 280-100MB UHS-II V60 + SD Adapter

64GB	INMSDX64G-280/100U2
128GB	INMSDX128G-280/100U2



SDHC/XC UHS-I U3 Premium High Speed

Record 4k video with confidence with this Ultra-High-Speed memory card. These cards offer super-fast read and write speeds and are ideal high-definition video and burst-mode photography.

- Ultra-fast 95MB/s* read and 90MB/s* write ensures smooth video capture even when shooting at 4K and Full HD. No lag or dropped frames
- Ideal for use in DSLR and digital compact cameras, 4K, 3D and Full HD camcorders
- Store hours of 4K and Full HD video and thousands of high-resolution images
- UHS-I, Class 3 specification
- Complete with free protective case
- 5 year warranty

microSDHC/XC UHS-I U3 Premium High Speed

The perfect partner for your high-spec smartphone or tablet, these Ultra-High-Speed cards offer super-fast read and write speeds and you can record high-definition video and take burst mode photos with confidence.

- Ultra-high-speed, 95MB/s* read and 90MB/s* write ensures smooth video capture even when shooting at 4K and Full HD. No lag or dropped frames
- Ideal for use in compatible smartphones, tablets, digital cameras, dash cams, actions cams and drones.
- UHS-I, Class 3 specification
- 5 year warranty

SDHC/XC UHS-I U3 Premium High Speed

32GB	INSDH32G10-9590-4K
64GB	INSDX64G10-9590-4K
128GB	INSDX128G10-9590-4K
256GB	INSDX256G10-9590-4K

microSDHC/XC UHS-I U3 Premium High Speed

16GB	INMSDH16G10-9045-4K
32GB	INMSDH32G10-9590-4K
64GB	INMSDX64G10-9590-4K

* Based on internal testing

Memory Cards - A1 Performance



A1
APP PERFORMANCE

A1 App Performance microSDHC/XC

Integral A1 (Application Performance Class 1) memory cards are optimised to expand your internal storage and enhance your App experience on smartphones and tablets using Android 6.0 Marshmallow. Adoptable Storage is supported, so Apps can launch directly from the memory card. Fast performance is maintained thanks to the high IOPS of A1 memory.

- In devices supporting Google Android Marshmallow 6.0 operating system (and above) the user can cost-effectively expand storage capacity by selecting the A1 memory card as "adoptable storage", then external storage can be used as internal storage on the device.
- A1 memory cards are optimised for App performance. Run Apps directly from the card.
- The Integral A1 microSDHC/XC memory card manages an input/output operation per second (IOPS) easily exceeding the benchmark a random read of 1500 and a random write of 500, as well as a sustained performance of 10MB/s*.
- UHS-I, Class 1 specification
- SD Adapter included
- 5 year warranty

IOPS

16GB	2800	920
32GB	2200	540
64GB	2100	620

A1 App Performance microSDHC/XC

16GB	INMSDH16G10-A1
32GB	INMSDH32G10-A1
64GB	INMSDX64G10-A1



SDHC/XC UHS-I U1 High Speed

Integral High Speed SD cards are a perfect fit for your digital camera, camcorder and SD compatible PC. With speeds of up to 80MB/s* you can enjoy quick data transfer and reliable photography.

- Up to 256GB capacity to store hours of HD video or thousands of photos
- Fast 80MB/s transfer speed*
- Great for digital cameras, camcorders and SD compatible laptops
- UHS-I, Class 1 specification
- Complete with free protective case
- 5 year warranty

microSDHC/XC UHS-I U1 High Speed

Enjoy more space for photos, videos and music on your smartphone or tablet with Integral High Speed microSDHC/XC memory cards. 90MB/s* transfer speeds allow fast data transfer and reliable photography on your compatible device.

- Up to 128GB capacity to store hours of HD video or thousands of photos
- Fast 90MB/s transfer speed*
- Great for tablets and smartphones
- UHS-I, Class 1 specification
- SD Adapter included
- 5 year warranty

SDHC/XC UHS-I U1 High Speed

8GB	INSDH8G10-80UNI
16GB	INSDH16G10-80UNI
32GB	INSDH32G10-80UNI
64GB	INSDX64G10-80UNI
128GB	INSDX128G10-80UNI
256GB	INSDX256G10-80UNI

microSDHC/XC UHS-I U1 High Speed

8GB	INMSDH8G10-90UNI
16GB	INMSDH16G10-90UNI
32GB	INMSDH32G10-90UNI
64GB	INMSDX64G10-90UNI
128GB	INMSDX128G10-8025UNI

* Based on internal testing

Memory Cards - Mobile



Smartphone and Tablet microSDHC/XC

Store more photos, music and video on your smartphone and tablet with Integral's smartphone and tablet microSDHC and microSDXC memory cards. Class 10 speeds ensure faster data transfer from microSDHC and microSDXC to PC/Mac (using a card reader) - making photo and video editing much quicker and more reliable.

- Works brilliantly with the latest smartphones and tablets, in addition to action cameras, compact cameras, drones and camcorders - ensuring smooth video capture even when shooting at Full HD
- Store more images, music and video on your smartphone and tablet than ever before
- SD Adapter included
- 5-year warranty

Smartphone and Tablet microSDHC/XC

8GB	INMSDH8G10-90SPTAB
16GB	INMSDH16G10-90SPTAB
32GB	INMSDH32G10-90SPTAB
64GB	INMSDX64G10-90SPTAB
128GB	INMSDX128G10-80SPTAB
256GB	INMSDX256G10-90SPTAB

Smartphone and Tablet microSDHC/HC and USB OTG Card Reader

16GB	INMSDH16G10-SPTOTGR
32GB	INMSDH32G10-SPTOTGR
64GB	INMSDX64G10-SPTOTGR
128GB	INMSDX128G10-SPTOTGR

Action Cam microSDHC/XC

Ideal for use with action cameras such as GoPro and TomTom Bandit, Integral Action Camera microSD memory cards let you record every exciting moment in smooth 4k or FullHD video. Rugged and hard-wearing, this card will operate in a wide range of temperatures - perfect for recording extreme sports and other outdoor activities. Ultra-high-speed reading and writing makes transferring and editing your footage fast and reliable.

- Meets the demanding UHS-I Class 3 specification required for 4K video recording on Action Cameras
- 4K, 2K, Full HD and 3D videos and large RAW and JPEG photos can be saved to the Action Camera memory card at ultra-fast speed, with no lag or dropped frames
- Works brilliantly with 4K and Full HD action cameras (like GoPro®), drones, smartphones, cameras, dash cams, camcorders and tablets - ensuring smooth video capture even when shooting at 4K and Full High Definition resolution
- SD Adapter included
- 5 year warranty

Action Cam microSDHC/XC

32GB	INMSDH32G10-ACTION
64GB	INMSDX64G10-ACTION

Twin Pack

32GB	INMSDH32G10-ACT-TWIN
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SDHC/XC 95-90MB/s UHS-I U3

The super quick read and write speeds of the Integral UltimaPro X SDXC and SDHC memory cards make them ideal for use with high spec DSLR cameras and 4K and 3D camcorders. Record 4K video without lag or dropped frames and take high-resolution burst images with confidence with this fast, professional range of memory cards.

- 4K, 2K, Full HD and 3D videos and large RAW and JPEG photos can be saved to the UltimaPro X memory card at ultra-fast speed, with no lag or dropped frames
- Works brilliantly with 4K and Full HD digital camcorders - ensuring smooth video capture even when shooting at 4K and Full High Definition resolution
- UHS-I, Class 3 specification
- Complete with free protective case
- 5 year warranty

SDHC/XC 95-90MB UHS-I U3

8GB	INSDH8G10-95/90U1
16GB	INSDH16G10-95/90U1
32GB	INSDH32G10-95/90U1
64GB	INSDX64G10-95/90U1
128GB	INSDX128G10-95/90U1
256GB	INSDX256G10-95/90U1
512GB	INSDX512G10-95/90U1

microSDHC/XC 95-90MB/s UHS-I U3 + SD Adapter

Integral's UltimaPro X microSDXC Class 10 memory cards are ultra-high-speed and ideal for use in smartphones, tablet PCs, digital cameras and camcorders. Our advanced chip-set delivers up to 95MB/s* read and 90MB/s* write speed.

- Ultra-fast speed; ideal for recording 4K, 2K, 1080p Full HD video and RAW and jpeg images
- Ultra-fast read / write, with up to 95 MB/s* read and 90 MB/s* write
- UHS-I, Class 3 specification
- Store more apps, images, music, games, and video on your tablet PC and smartphone than ever before
- SD Adapter included
- 5 year warranty

microSDHC/XC 95-90MB UHS-I U3

8GB	INMSDH8G10-95/90U1
16GB	INMSDH16G10-95/90U1
32GB	INMSDH32G10-95/90U1
64GB	INMSDX64G10-95/90U1
128GB	INMSDX128G10-95/90U1
256GB	INMSDX256G10-95/90U1

microSDHC/XC 95-90MB with USB 3.0 Card Reader

32GB	INMSDH32G10-9590NA3R
64GB	INMSDX64G10-9590NA3R

* Based on internal testing

Memory Cards - UltimaPro X



SDXC 95-60MB/s UHS-I U3

The super quick read and write speeds of the Integral UltimaPro X SDXC and SDHC memory cards make them ideal for use with high spec digital SLR cameras and 4K and 3D camcorders. Record 4K video without lag or dropped frames and take high-resolution burst images with confidence with this fast, professional range of memory cards.

- 4K, 2K, Full HD and 3D videos and large RAW and JPEG photos can be saved to the UltimaPro X memory card at ultra-fast speed, with no lag or dropped frames
- Works brilliantly with 4K and Full HD digital camcorders - ensuring smooth video capture even when shooting at 4K and Full High Definition resolution
- Complete with free protective case
- 5 year warranty

SDXC 95-60MB UHS-I U3

16GB	INSDH16G10-90/45U1
32GB	INSDH32G10-95/60U1
64GB	INSDX64G10-95/60U1
128GB	INSDX128G10-95/60U1
256GB	INSDX256G10-95/60U1

microSDXC 90-45MB/s UHS-I U3

Integral's UltimaPro X microSDHC and microSDXC Class 10 memory cards are ultra-high-speed and ideal for use in smartphones, tablet PCs, digital cameras and camcorders. Our advanced chip-set delivers up to 90MB/s* read and 45MB/s* write speed.

- Ultra-fast speed; ideal for recording 4K, 2K, 1080p Full HD video and RAW and jpeg images
- Store more images, music and video on your tablet PC and smartphone than ever before
- UHS-I, Class 3 specification
- SD Adapter included
- 5 year warranty

microSDHC/XC 90-45MB UHS-I U3

16GB	INMSDH16G10-90/45U1
32GB	INMSDH32G10-90/45U1
64GB	INMSDX64G10-90/45U1

microSDHC/XC 90-45MB UHS-I U3 with USB 3.0 Card reader

32GB	INMSDH32G10-9045NA3R
64GB	INMSDX64G10-9045NA3R



SDHC/XC 80MB/s UHS-I U1

Integral UltimaPro SDHC/XC are Class 10 Speed to ensure that when you take a picture, data is saved faster, so there is less time to wait before taking the next picture.

- High-speed memory card; up to 80MB/s transfer speed*
- Class 10 speed also enables faster data transfer from SDHC/XC to PC/Mac (using a card reader) - makes photo and video editing much quicker and more enjoyable
- UHS-I, Class 1 specification
- Complete with free protective case
- 5 year warranty

SDHC/XC 45MB/s UHS-1 U1

Integral UltimaPro SDHC and SDXC are Class 10 Speed to ensure that when you take a picture, data is saved faster, so there is less time to wait before taking the next picture.

- High-speed memory card; up to 45MB/s transfer speed*
- Class 10 speed also enables faster data transfer from SDHC/XC to PC/Mac (using a card reader) - makes photo and video editing much quicker and more enjoyable
- UHS-I, Class 1 specification
- Complete with free protective case
- 5 year warranty

SDHC/XC 80MB UHS-I U1

8GB	INSDH8G10-80U1
16GB	INSDH16G10-80U1
32GB	INSDH32G10-80U1
64GB	INSDX64G10-80U1
128GB	INSDX128G10-80U1
256GB	INSDX256G10-80U1

Twin Pack with 4 Card Case

16GB	INSDH16G10-80U1TW4CC
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SDHC/XC 45MB UHS-I U1

8GB	INSDH8G10-45
16GB	INSDH16G10-45
32GB	INSDH32G10-45
64GB	INSDX64G10-45

* Based on internal testing



microSDXC 80-25MB/s UHS-I U1

Enjoy massive storage capacity in your smartphone and tablet with the Integral UltimaPro microSDHC and microSDXC memory cards. Fast data transfer enables you to take high-res photos and FullHD video with confidence.

- High-speed data read / write, with up to 80 MB/s* read and 25 MB/s* write
- Ideal for smartphones, tablets and digital cameras
- Store more images, music and video on your tablet PC and smartphone than ever before
- UHS-I, Class 1 specification
- SD Adapter included
- 5 year warranty

micro SDXC 80-25MB UHS-I U1

128GB	INMSDX128G10-80/25U1
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microSDXC 80-25MB UHS-I U1 with 3.0 card reader

128GB	INMSDX128G10-8025N3R
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microSDHC/XC 90MB/s UHS-I U1

Enjoy more from your smartphone and tablet with the Integral UltimaPro microSDHC and microSDXC memory cards. Fast data transfer enables you to take high-res photos and FullHD video with confidence.

- Ideal for smartphones, tablets and digital cameras
- Store more images, music and video on your tablet PC and smartphone than ever before
- UHS-I, Class 1 specification
- SD Adapter included
- 5 year warranty

microSDXC 90MB UHS-I U1

8GB	INMSDH8G10-90U1
16GB	INMSDH16G10-90U1
32GB	INMSDH32G10-90U1
64GB	INMSDX64G10-90U1



microSDHC/XC 40MB/s UHS-I U1

The UltimaPro microSDHC and SDXC Memory Cards offer fast and reliable storage for your smartphone and tablet. Enjoy more music, videos and photos with memory you can depend on from Integral.

- Ideal for smartphones, tablets and digital cameras
- Store more images, music and video on your tablet PC and smartphone than ever before
- UHS-I, Class 1 specification
- SD Adapter included
- 5 year warranty

microSDXC 40MB UHS-I U1

8GB	INMSDH8G10-40U1
16GB	INMSDH16G10-40U1
32GB	INMSDH32G10-40U1
64GB	INMSDX64G10-40U1

microSDHC/XC 40MB UHS-I U1 with card reader

16GB	INMSDH16G10-40NAUSBR
32GB	INMSDH32G10-40NAUSBR
64GB	INMSDX64G10-40NAUSBR



SDHC Class 10

Integral SDHC Class 10 cards allow you to store your photos, videos, music files and documents quickly and easily. Our entry-level Class 10 card provides up to 20MB/s read speed which is ideal for capturing HD images and video.

- For use in SDHC compliant devices including: digital cameras, camcorders, MP3 players, Satellite Navigation systems, digital photo frames, DAB radios, TVs, car audio, tablet PCs, laptops and netbooks
- Up to 20MB/s read speed, 133X*
- SDHC Class 10
- Protective case included
- 5 year warranty

microSDHC Class 10

The UltimaPro microSDHC memory card offer fast and reliable storage for your smartphone and tablet. Enjoy more music, videos and photos with memory you can depend on from Integral.

- High speed memory card; up to 20MB/s transfer speed*
- SD Adapter included
- 5 year warranty

SDHC Class 10

4GB

INSDH4G10V1

microSDHC Class 10

4GB

INMSDH4G10-20V2

* Based on internal testing



SDHC Class 4

Integral SDHC cards allow you to store your photos, videos, music files and documents quickly and easily.

- For use in SDHC compliant devices including: digital cameras, camcorders, MP3 players, Satellite Navigation systems, digital photo frames, DAB radios, tablets, laptops and netbooks
- Protective case included (8GB and above)
- 5 year warranty

SDHC Class 4

8GB	INSDH8G4V2NDB
8GB	INSDH8G4V2
16GB	INSDH16G4V2
32GB	INSDH32G4V2

microSDHC Class 4

microSDHC memory cards from Integral are a great accessory for your compatible smartphone, digital camera, tablet PC and MP3 player.

USB Card Reader



microSDHC Class 4 + SD Adapter

4GB	INMSDH4G4V2
8GB	INMSDH8G4V2
16GB	INMSDH16G4V2
32GB	INMSDH32G4V2

microSDHC Class 4 Memory Card

4GB	INMSDH4G4NAV2
8GB	INMSDH8G4NAV2
16GB	INMSDH16G4NAV2
32GB	INMSDH32G4NAV2

microSDHC Class 4 with + Card Reader

4GB	INMSDH4G4NAUSBR
8GB	INMSDH8G4NAUSBR
16GB	INMSDH16G4NAUSBR
32GB	INMSDH32G4NAUSBR



SD Card

An Integral SD Card is perfect for storing your photos, MP3s and documents. Integral SD cards are great value and offer excellent performance and reliability.

- For use in SD compatible devices including: digital cameras, DAB Radios, camcorders, MP3 players, satellite navigation systems, digital photo frames, laptops and netbooks
- 5 year warranty

microSD Card

With an Integral microSD memory card your mobile device will be able to store more images, music and video than ever before. microSD cards are designed specifically for use in portable devices including phones, digital cameras and MP3 players.

- The SD Adapter provides a massive increase in the versatility of the microSD card, now it can work in thousands of SD Card compatible digital cameras, camcorders, card readers, MP3 players, navigation systems and laptops
- 5 year warranty

SD Card

2GB	INSD2GV2NDB
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microSDHC

2GB	INMSD2GNAV2
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microSDHC + SD Adapter

2GB	INMSD2GV2
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Memory Cards - CFast 2.0



UltimaPro X2 CFast 2.0

Integral CFast 2.0 memory cards are ideal for the latest high performance DSLRs and broadcast/cinema-quality video cameras, allowing the user to capture high-quality RAW images and 4K video and with the high transfer speed; effectively improve workflow in production.

- Integral CFast 2.0 cards have the performance for a new generation of high performance DSLRs and video cameras - featuring data-transfer (read) speeds of up to 550MB/s* (3666X) and write speeds of up to 540MB/s*(3600X).
- Integral CFast memory card can keep up with the burst-mode shooting of professional-grade cameras.
- Capture the highest quality 4K video in camcorders and professional video cameras used in broadcast and cinema industries.
- CFast 2.0's performance capability is to serve professional video markets such as high definition TV production and cinema video production environments.
- Integral CFast 2.0 cards have high reliability, low power consumption and high shock resistance, all delivered in a small form factor and SATA interface.
- A collaboration of leading CompactFlash Association members to meet the demanding requirements of professional video and photography applications. Early adopters and endorsers include Canon, ARRI and Codex.

UltimaPro X2 CFast 2.0

32GB	INCA32G-540/520
64GB	INCA64G-550/540
128GB	INCA128G-550/540

Speed Table

	Read MB/s	Write MB/s
32GB	540 (3600X)	520 (3466X)
64GB	550 (3666X)	540 (3600X)
128GB	550 (3666X)	540 (3600X)



CompactFlash 800X

UltimaPro CompactFlash 800x speed cards from Integral are designed to give a blistering performance in the most demanding Pro DSLR cameras.

- View your pictures with a read speed of up to 120MB/sec (800X)*
- Super-fast write speed of up to 120MB/sec (800X)*
- Video Performance Guarantee (VPG-20) specification
- Supports up to UDMA (Ultra Direct Memory Access) mode 7
- CompactFlash Association approved
- Complete with free protective case
- 5 year warranty

UltimaPro CompactFlash 800X

32GB	INCF32G800W
64GB	INCF64G800W
128GB	INCF128G800W
256GB	INCF256G800W



CompactFlash 300X

The Integral UltimaPro 300x CF card is ideal for professional and amateur photographers.

- View your pictures with a read speed of up to 45MB/sec (300X)*
- Fast write speed of up to 45MB/sec (300X)*
- Video Performance Guarantee (VPG-20) specification
- Supports up to UDMA (Ultra Direct Memory Access) mode 7
- CompactFlash Association approved
- Complete with free protective case
- 5 year warranty

UltimaPro CompactFlash 300X

16GB	INCF16G300W
32GB	INCF32G300W
64GB	INCF64G300W
128GB	INCF128G300W



CompactFlash

Integral CompactFlash memory cards are great value and perfect for amateur and professional photographers.

- CompactFlash Association approved
- Complete with free protective case
- 5 year warranty

CompactFlash

4GB	INCF4GV2
8GB	INCF8GV2

* Based on internal testing



USB 3.0 SuperSpeed Reader

An Integral USB 3.0 Card Reader uses USB 3.0 SuperSpeed technology, so that transferring and playing your memory card's digital content such as HD video, photos, games and large documents is faster than ever before.

- USB 3.0 SuperSpeed interface
- PC and Mac compatible
- 2 year warranty

Compatible with

- SD Card
- SDHC, SDXC
- microSD, microSDHC, microSDXC

USB 3.0



USB 3.0 Card Reader

INCRUSB3.OSDMSD



Multicard Reader

Rapidly transfer files from your memory card to your Desktop, Notebook or Mac computer and save your device batteries using the Integral Multicard Reader.

- High speed connection
 - PC and Mac compatible
 - Complete with USB extension lead
 - 2 year warranty
- Compatible with the following Memory Cards
- SD, SDHC, SDXC, microSD, microSDHC, microSDXC, miniSD*, miniSDHC*
 - MemoryStick, M2, MemoryStick Pro, MemoryStick Duo and Pro Duo
 - xD, CompactFlash
- *Adapter required

USB 2.0



Multi Card Reader

INCRMULTI



Dual Slot Reader

The Integral Dual Slot Card Reader provides a fast and safe way of transferring data between SD and microSD memory card formats and your PC or Mac.

- Plug and Play
- PC and Mac compatible
- Compact design
- 2 year warranty

Compatible with the following Memory Cards

- SDXC, SDHC, SD Card
- microSD, microSDHC, microSDXC

USB 2.0



Dual Slot Card Reader

INCRSDMSD



Single Slot Reader

The Integral Single Slot Card Readers allow you to transfer your memory card files onto your PC with ease.

- Plug and Play
- PC and Mac compatible
- Compact design
- 2 year warranty

Available for

- SD/SDHC/SDXC
- CompactFlash

USB 2.0



Single Slot Reader

SD Card Reader

INCRSDNRP

Compact Flash Reader

INCRCF



micro Reader

Transfer and share your smartphone and tablet's photos, videos, music and data files with ease. Small enough to tie onto your mobile handset or carry on your key-chain. Card Reader can be used as a USB Flash Drive if you keep your microSD/microSDHC card installed in the device.

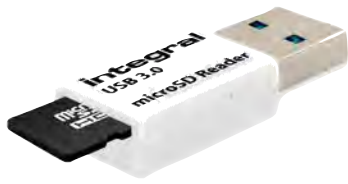
- Perfect mobile accessory
- Compatible with microSD, microSDHC and microSDXC cards
- PC and Mac compatible
- 2 year warranty

USB 2.0



microSD Card Reader

INCRMSDMINIUSB



USB 3.0 micro SD Reader

Make backing-up the precious data from your GoPro, Action Camera, smartphone or tablet easy with the Integral microSDXC / microSDHC USB 3.0 Memory Card Reader. Small, convenient and simple, the Integral microSDXC / microSDHC USB 3.0 Memory Card Reader gives you better control over the data stored on your smart devices.

- USB 3.0 SuperSpeed interface
- PC and Mac compatible
- 2 year warranty

USB 3.0



USB 3.0 microSDHC/XC

INCRUSB3.0MSD



CFast 2.0 Reader

The Integral CFast 2.0 Card Reader is the perfect pairing with CFast 2.0 memory cards. Uses a USB 3.0 interface for super-fast data transfer between card and PC/Mac for easy post-production.

- USB 3.0 SuperSpeed interface
- PC and Mac compatible
- Compact design
- 2 year warranty

CFast 2.0 Card Reader

INCRUSB3.0CFAST



On-The-Go microSDHC/XC Reader

Perfect for watching videos on a variety of devices or transferring your holiday snaps to your laptop while you're travelling. The Integral USB 2.0 OTG microSDXC memory Card Reader lets you save space on your compatible Android device by moving large files such as HD movies, music or high-resolution images onto a memory card in a matter of seconds.

- Transfer data and media files between PCs, Macs, smartphones and tablet PCs
- Dual connectors - micro USB (B) and full-size USB (A)
- Card Reader supports microSD, microSDHC, microSDXC memory cards
- USB OTG function is designed for Android devices
- PC and Mac compatible
- Smartphone and tablet compatible
- 2 year warranty

USB 2.0



On-The-Go microSDHC/XC

INCROTGMSD



Bluetooth Selfie Disc

Ditch the stick! Taking a selfie is now even easier. Just press the button and take your selfie photo. The Integral Selfie Disc works with Android and Apple smartphones and tablets, does not require an App and will connect in a couple of seconds to your device via Bluetooth.

- Take the perfect Selfie with ease - remote control the camera shutter on your smartphone or tablet
- Setup in seconds, No App required
- Up to 20,000 clicks of the Selfie Disc's button with one battery
- Compatible with both Apple and Android devices
- No Selfie Stick required! (Selfie Sticks now banned from many museums, football grounds)

Remote Selfie Disc

INSELFIEDISC



02 | **USB - Apple, OTG & Type-C**





MoreStor iPhone-iPad USB 3.0 Flash Drive

Expand the capacity of your Apple device with the Integral MoreStor, a compact and convenient Flash Drive with both USB 3.0 and Lightning™ connectors. Transfer photos, videos and music between your Apple devices and a PC or Mac with ease. You will no longer need iCloud or an internet connection to backup media from your iPad or iPhone.

- Dual connectors – Lightning and USB 3.0
- Storage and transfer data and media files between iPhone, iPad and Mac/PC
- USB 3.0 data transfer
- Mac and PC compatible



iShuttle iPhone-iPad USB 3.0 Flash Drive

Get more out of your Apple device with the Integral iShuttle – a compact and convenient USB 3.0 flash drive with added Lightning™ connector, so you can easily transfer and backup photos, videos and music between you iPhone, iPad, Mac and PC, without the need for iCloud or an internet connection.

- Dual connectors – Lightning and USB 3.0
- Storage and transfer data and media files between iPhone, iPad and Mac/PC
- USB 3.0 data transfer
- Mac and PC compatible

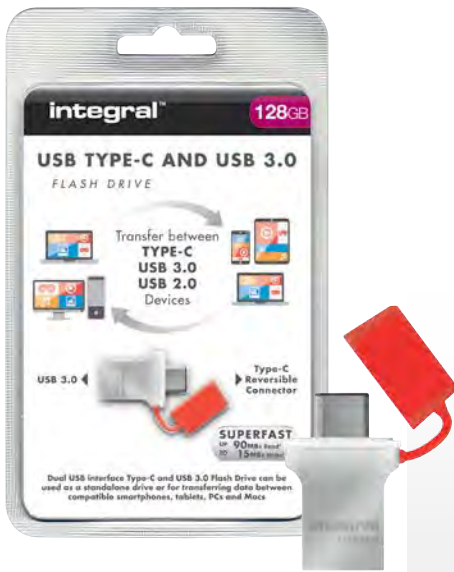


MoreStor 3.0 USB

16GB	INFD16GBMORESTOR
32GB	INFD32GBMORESTOR
64GB	INFD64GBMORESTOR
128GB	INFD128GBMORESTOR

iShuttle 3.0 USB

16GB	INFD16GBISHUTTLE
32GB	INFD32GBISHUTTLE
64GB	INFD64GBISHUTTLE
128GB	INFD128GBISHUTTLE



Fusion USB 3.0 Type-C

The Integral Fusion USB 3.0 Type-C Flash Drive provides ultimate compatibility between smartphones, tablets, PCs and Macs. Featuring a 'USB Type-C' connector; the first reversible USB interface for a 'no wrong way round' fit, when attaching to a device. The Fusion USB Type-C also offers a handy dual interface; USB Type-A connector for all current 2.0 and 3.0 ports found in millions of devices, alongside the new future-proof USB Type-C connector, allowing for a seamless transition between existing and future hardware.

- Transfer data and media files between PCs, Macs, smartphones and tablets
- USB OTG function is designed for compatible Android devices
- Dual connectors - USB Type C and full-size USB 3.0
- PC and Mac compatible
- 2 year warranty

Fusion 3.0 USB Type-C

16GB	INFD16GBFUS3.0-C
32GB	INFD32GBFUS3.0-C
64GB	INFD64GBFUS3.0-C
128GB	INFD128GBFU3.0-C



micro Fusion USB 3.0 OTG

The Integral Micro Fusion USB 3.0 OTG Flash Drive is low-profile and features dual USB connectors, so you can transfer data and media files between your devices in a super-fast, convenient way.

For use with USB OTG (On-The-Go) compatible Android smartphones and tablets. A full-sized USB 3.0 connector provides USB to PC/Mac data transfer and a micro USB connector enables USB On-The-Go; so you can transfer your files from PC/Mac to compatible smartphones and tablet PCs.

- Transfer data and media files between PCs, Macs, smartphones and tablets
- USB OTG function is designed for compatible Android devices
- Dual connectors - micro USB and full-size USB 3.0
- PC and Mac compatible
- 2-year warranty

Micro Fusion 3.0 USB OTG

16GB	INFD16GBMIC3.0-OTG
32GB	INFD32GBMIC3.0-OTG
64GB	INFD64GBMIC3.0-OTG



micro Fusion USB 2.0 OTG

Micro Fusion USB 2.0 OTG Flash Drive is low-profile and features dual USB connectors, so you can transfer data and media files between your devices in a fast, convenient way. For use with USB OTG (On-The-Go) compatible Android smartphones and tablets.

- Transfer data and media files between PCs, Macs, smartphones and tablet PCs
- USB OTG function is designed for compatible Android devices
- Dual connectors - micro USB and full-size USB
- PC and Mac compatible
- 2 year warranty

Micro Fusion 2.0 USB OTG

16GB	INFD16GBMIC-OTG
32GB	INFD32GBMIC-OTG
64GB	INFD64GBMIC-OTG



Slide USB 3.0 OTG

The Integral Slide USB 3.0 OTG features dual USB connectors, so you can move data and media files between your devices in a fast, convenient way. A full-size USB connector provides USB to PC/Mac data transfer and a micro USB connector enables USB On-The-Go; so you can transfer your files from PC/Mac to compatible smartphones and tablet PCs.

- USB 3.0 SuperSpeed
- USB OTG function is designed for compatible Android devices
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

Slide 3.0 USB OTG

16GB	INFD16GBSLDOTG3.0.
32GB	INFD32GBSLDOTG3.0.
64GB	INFD64GBSLDOTG3.0.

Slide 3.0 USB OTG (Non-Retail)

16GB	INFD16GBSLDOTG3.0NRP
32GB	INFD32GBSLDOTG3.0NRP
64GB	INFD64GBSLDOTG3.0NRP



OTG Adapter with Fusion USB 2.0

With the Integral OTG Adapter and Fusion USB bundle you can transfer files to and from your USB to a compatible smartphone and tablet PC. The OTG Adapter features a micro USB connector that will convert any Flash Drive to a USB On-The-Go drive, so you can enjoy more content on your portable device and save time transferring files between phone, tablet and personal computer.

- Fusion USB 2.0 and OTG Adapter bundle
- USB OTG function is designed for compatible Android devices
- Low-profile casing
- Smallest USB Flash Drive in the Integral range
- PC and Mac compatible
- 2 year warranty

OTG Adapter with Fusion

8GB	INFD8GBFUSOTGADNRP
16GB	INFD16GBFUSOTGADNRP
32GB	INFD32GBFUSOTGADNRP

OTG Adapter

INOTGADAPTER

- OTG Adapter use with any USB
- Data transfer at USB 2.0 speeds



03 | **USB** **Flash Drives**

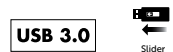




Turbo USB 3.0

The Integral Turbo USB 3.0 Flash Drive is our fastest USB range ever. Experience a premium USB 3.0 fast drive with blistering transfer speeds and super-fast backup. Up to 400 MB/s Read and 300 MB/s Write. Featuring a capless design casing, that is compact and durable.

- USB 3.0 SuperSpeed premium hardware for boosted performance
- Read speed up to 400 MB/s* and a Write speed up to 300 MB/s*
- Lightweight and slim design
- Assembled in the UK
- PC and Mac compatible
- 2 year warranty



 Assembled in the UK

Turbo USB 3.0

64GB	INFD64GBTURBWH3.0
128GB	INFD128GBTURBWH3.0
256GB	INFD256GBTURBWH3.0

* Based on internal testing, check Integral website for latest spec.



USB 3.0 - Flash Drives



Titan USB 3.0

Titan USB 3.0 Flash Drive brings together massive capacity with super-fast USB 3.0 speeds. Save time by transferring and backing up large files such as HD video and databases faster than ever before. The Titan is built with a robust metal case and premium components to maximise performance. Optional AES 256-bit encryption software included to encrypt and protect your sensitive data.

- USB 3.0 Super speed
- Up to 230 MB/s* Read / 160 MB/s* Write
- Aluminium casing
- PC and Mac compatible
- Includes 'Secure Lock II' 256-bit AES encryption software
- 2 year warranty

USB 3.0

Titan USB 3.0

256GB	INFD256GBTTNBK3.0
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Xcel USB 3.0

USB 3.0 Xcel - our super-fast, premium USB Flash Drive. Minimise your waiting times with super-fast data transfer speeds.

- USB 3.0 SuperSpeed
- Premium components for boosted performance
- Read speed up to 180 MB/s* and a Write speed up to 80MB/s*
- PC and Mac compatible
- Includes 'Secure Lock II' 256-bit AES encryption software
- 2 year warranty

USB 3.0

Xcel USB 3.0

32GB	INFD32GBXCE3.0
64GB	INFD64GBXCE3.0
128GB	INFD128GBXCE3.0

* Based on internal testing, check Integral website for latest spec.



Courier USB 3.0

Courier USB 3.0 Flash Drive combines a great-value price with a SuperSpeed data transfer rate. Now you can backup, transfer and access your digital content faster than ever.

- USB 3.0 SuperSpeed
- Read speed up to 180 MB/s*, and a Write speed up to 80 MB/s*
- PC and Mac compatible
- 2 year warranty
- Also available in USB 2.0 specification



USB 3.0

Courier USB 3.0

8GB	INFD8GBCOU3.0
16GB	INFD16GBCOU3.0
32GB	INFD32GBCOU3.0
64GB	INFD64GBCOU3.0
128GB	INFD128GBCOU3.0

USB 2.0

Courier USB 2.0

4GB	INFD4GBCOU
8GB	INFD8GBCOU
16GB	INFD16GBCOU
32GB	INFD32GBCOU
64GB	INFD64GBCOU
128GB	INFD128GBCOU

* Based on internal testing



Arc USB 3.0

Designed so that you can take your data anywhere, the Integral ARC Flash Drive is a perfect mix of style, durability and convenience. The all metal capless design features a loop to ensure that the drive clips easily and securely to your key-ring, making this drive the perfect accessory for taking data on the move.

- Zinc alloy casing
- USB 3.0 SuperSpeed hardware
- Read speed up to 190 MB/s*, and a Write speed up to 20 MB/s*
- PC and Mac compatible
- 2-year warranty
- Also available in USB 2.0 specification

USB 3.0



Arc USB 3.0

8GB	INFD8GBARC3.0
16GB	INFD16GBARC3.0
32GB	INFD32GBARC3.0
64GB	INFD64GBARC3.0
128GB	INFD128GBARC3.0

USB 2.0



Arc USB 2.0

8GB	INFD8GBARC
16GB	INFD16GBARC
32GB	INFD32GBARC
64GB	INFD64GBARC

USB 3.0 - Flash Drives



Noir USB 3.0

Noir USB 3.0 Flash Drive combines a great-value price with a SuperSpeed data transfer rate.

- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 35 MB/s*
- PC and Mac compatible
- 2 year warranty



Noir USB 3.0

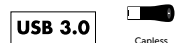
8GB	INFD8GBNOIR3.0
16GB	INFD16GBNOIR3.0
32GB	INFD32GBNOIR3.0
64GB	INFD64GBNOIR3.0
128GB	INFD128GBNOIR3.0



Fusion USB 3.0

The Integral Fusion USB 3.0 Flash Drive is a small and lightweight 'leave-in' drive, ideal for compatible laptops, netbooks, tablets, games consoles, home and car audio systems. USB 3.0 speeds ensure data transfer and video streaming is fast and reliable.

- USB 3.0 SuperSpeed
- Low-profile zinc alloy casing
- Read speed up to 130 MB/s*, and a Write speed up to 30 MB/s*
- PC and Mac compatible
- 2-year warranty



Fusion USB 3.0

8GB	INFD8GBFUS3.0
16GB	INFD16GBFUS3.0
32GB	INFD32GBFUS3.0
64GB	INFD64GBFUS3.0
128GB	INFD128GBFUS3.0



Tag USB 3.0

Tag 3.0 is a small, practical USB Flash Drive with a durable and stylish metal casing. Featuring a robust clip that allows the drive to be securely fastened onto bags, rucksacks, lanyards and key-chains for safe keeping.

- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 20 MB/s*
- PC and Mac compatible
- 2 year warranty
- Also available in USB 2.0 specification



Tag USB 3.0

16GB	INFD16GBTAG3.0
32GB	INFD32GBTAG3.0
64GB	INFD64GBTAG3.0



Tag USB 2.0

8GB	INFD8GBTAG
16GB	INFD16GBTAG
32GB	INFD32GBTAG
64GB	INFD64GBTAG



Neon USB 3.0

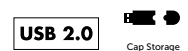
Neon USB 3.0 Flash Drive combines an eye-catching fluorescent casing with a SuperSpeed data transfer rate.

- Available in fluorescent Orange, Blue, Pink and Yellow
- USB 3.0 SuperSpeed
- Read speed up to 110 MB/s*, and a Write speed up to 20 MB/s*
- PC and Mac compatible
- 2 year warranty
- Also available in USB 2.0 specification



Neon USB 3.0

8GB	INFD8GBNEON(OR/B/P/Y)3.0
16GB	INFD16GBNEON(OR/B/P/Y)3.0
32GB	INFD32GBNEON(OR/B/P/Y)3.0
64GB	INFD64GBNEON(OR/B/P/Y)3.0



Neon USB 2.0

4GB	INFD4GBNEONYL/OR/PK/B
8GB	INFD8GBNEONYL/OR/PK/B
16GB	INFD16GBNEONYL/OR/PK/B
32GB	INFD32GBNEONYL/OR/PK/B
64GB	INFD64GBNEONYL/OR/PK/B

* Based on internal testing

USB 3.0/2.0 - Flash Drives



Pastel USB 3.0

The Pastel USB has a compact design and soft coloured casing. Featuring a SuperSpeed data transfer rate, that is many times faster than an equivalent USB 2.0 drive.

- USB 3.0 SuperSpeed
- Read speed up to 80 MB/s*, and a Write speed up to 10 MB/s*
- PC and Mac compatible
- 2 year warranty
- Also available in USB 2.0 specification



Pastel USB 3.0

8GB	INFD8GBPASBLS3.0
16GB	INFD16GBPASBLS3.0
32GB	INFD32GBPASBLS3.0
64GB	INFD64GBPASBLS3.0



Pastel USB 2.0

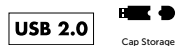
8GB	INFD8GBPASLH/BLS
16GB	INFD16GBPASLH/BLS
32GB	INFD32GBPASLH/BLS
64GB	INFD64GBPASLH/BLS



Evo USB 2.0

The Integral Evo is a great value USB Flash Drive with translucent blue casing. Its clever design allows you to store the cap on the end of the Flash Drive when in use.

- Stylish translucent blue casing
- Cap stores in base when Drive is in use
- PC and Mac compatible
- 2 year warranty



Evo USB 2.0

4GB	INFD4GBEVOBL
8GB	INFD8GBEVOBL
16GB	INFD16GBEVOBL
32GB	INFD32GBEVOBL
64GB	INFD64GBEVOBL
128GB	INFD128GBEVOBL



Pulse USB 2.0

The Integral USB 2.0 Pulse Flash Drive has a stylish black outer casing with a bright fluorescent middle that is revealed when the drive is closed. Capless design that's compact and durable. A great value, everyday USB for all documents and media files.

- Stylish black casing with fluorescent middle
- Capless design, slide to open, protects USB connector when closed, no cap to lose
- Lightweight and slim design
- PC and Mac compatible
- 2 Year Warranty



Pulse USB 2.0

8GB	INFD8GBPULSEPK (Pink)
16GB	INFD16GBPULSEBL (Blue)
32GB	INFD32GBPULSEOR (Orange)
64GB	INFD64GBPULSEYL (Yellow)
128GB	INFD128GBPULSEGR (Green)

USB 2.0





Xpression Emoji USB

Emojis are the fastest growing language in history with 6 Billion Emojis sent around the world every day. Instantly recognisable and used by 92% of the online population, emojis are a great way to add some expression to any communication. The Integral Emoji USB Flash Drive is attractive and compact, making it a useful and fun accessory for any user.

- Perfect for the fashion conscious user
- Lightweight and compact casing
- Cap stored on USB Flash Drive when in use
- Covered in positive emojis to brighten your day
- PC and Mac compatible
- 2 year warranty

Xpression Emoji USB

8GB	INFD8GBXPREMOJI
16GB	INFD16GBXPREMOJI
32GB	INFD32GBXPREMOJI
64GB	INFD64GBXPREMOJI

USB 2.0



Assembled
in the UK

XPRESSION USB FLASH DRIVE



TXT



Owls



Birds



Butterfly



Floral



Keep Calm



Union Jack



Flowers



Petal



Floral 1

Xpression USB 2.0

The Integral Xpressions USB Flash Drive range are perfect for the fashion conscious user with their contemporary designs.

Available in a variety of different styles the Xpression USBs are reliable, compact Flash Drives.

- For the fashion conscious user
- Cap stored on USB Flash Drive when in use
- PC and Mac compatible
- 2 year warranty

USB 2.0



Cap Storage

Assembled in the UK

Xpression 2.0

	TXT		Keep Calm
8GB	INFD8GBXPRTXT	8GB Red	INFD8GBXPRKCBUR
16GB	INFD16GBXPRTXT	8GB Blue	INFD8GBXPRKCBUB
	Owls		Union Jack
8GB	INFD8GBXPROWLS	8GB	INFD8GBXPRUNIONJ
16GB	INFD16GBXPROWLS	16GB	INFD16GBXPRUNIONJ
32GB	INFD32GBXPROWLS	32GB	INFD32GBXPRUNIONJ
64GB	INFD64GBXPROWLS	64GB	INFD64GBXPRUNIONJ
	Birds		Flowers
4GB	INFD4GBXPBIR	4GB	INFD4GBXPRFLO
8GB	INFD8GBXPBIR	8GB	INFD8GBXPRFLO
16GB	INFD16GBXPBIR	16GB	INFD16GBXPRFLO
32GB	INFD32GBXPBIR	32GB	INFD32GBXPRFLO
64GB	INFD64GBXPBIR	64GB	INFD64GBXPRFLO
	Butterfly		Petal
8GB	INFD8GBXPBUTTF	8GB	INFD8GBXPRPETAL
16GB	INFD16GBXPBUTTF	16GB	INFD16GBXPRPETAL
32GB	INFD32GBXPBUTTF	32GB	INFD32GBXPRPETAL
	Floral		Floral 1
8GB	INFD8GBXPRFLORAL	8GB	INFD8GBXPRFLOR1
16GB	INFD16GBXPRFLORAL	16GB	INFD16GBXPRFLOR1
32GB	INFD32GBXPRFLORAL	32GB	INFD32GBXPRFLOR1
64GB	INFD64GBXPRFLORAL		

*Other capacities available on request

04 | **SSD** **Solid State Drives**





SVR-PRO 200 SMW SATA III SSD

The Integral SVR-PRO 200 SMW SATA III 6Gbps 2.5" SSD is specifically engineered to provide the highest endurance in drive capacities of 3.2TB and 6.4TB. The best big data, high-endurance SSD solution for server and desktop computing environments.

Ideal for mixed workloads and performance hungry applications including Tier 1 storage, online transaction processing, email servers, high performance computing and cloud data warehousing.

- Exceptional TBW performance - Up to 11,680 (6.4TB model)
- 2.5" form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Random Read IOPS up to 53K, Random Write up to 78K
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- The SSD hardware is built with a number of capacitors that ensure that the data in the write cache of the SSD is protected against corruption if a power loss was to occur, enabling the SSD to complete the last write command to the NAND flash.
- 5 Year Warranty or TBW

*Speeds based on internal testing



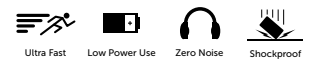
SVR-PRO 200 SMW SATA III

3.2TB	INSSD3TS625SVR200SMW
6.4TB	INSSD6TS625SVR200SMW

SVR-PRO 100 SRI SATA III 2.5" SSD

The Integral SVR-PRO 100 SRI SATA III 6Gbps 2.5" SSD offers massive 4TB and 8TB of storage and delivers all of the advantages of flash memory technology for ultimate performance and reliability. The best big data SSD solution for server and desktop computing environments. Ideal for read intensive and performance hungry applications; including Video on Demand, streaming, Web server, file server and operating system boot.

- 2.5" form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Sequential Read up to 551MB/s* and Write up 517MB/s*
- Random Read IOPS up to 52K, Random Write up to 78K
- TBW - Up to 2000 (8TB model)
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- The SSD hardware is built with a number of capacitors that ensure that the data in the write cache of the SSD is protected against corruption if a power loss was to occur, enabling the SSD to complete the last write command to the NAND flash
- 5 Year Warranty or TBW



SVR-PRO 100 SRI SATA III 2.5" SSD

4TB	INSSD4TS625SVR100SRI
8TB	INSSD8TS625SVR100SRI

* Based on internal testing, smaller capacities available on request



P Series 4 SATA III 2.5" SSD

Choose the P Series 4 SSD to boost the performance of your existing hardware and extend its useful life. It will speed up your daily OS boot times and increase the speed of your applications, overall giving you the best experience of Solid State performance computing.

- 2.5-inch form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- Fully compatible with devices and OS that support the SATA standard
- Non-volatile Flash Memory for outstanding data retention
- Ultra-efficient Block Management and Wear Levelling
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- 3 Year Warranty



P Series 4 SATA III 2.5" SSD (Retail)

120GB	INSSD120GS625M7XP4R
240GB	INSSD240GS625M7XP4R
480GB	INSSD480GS625M7XP4R
960GB	INSSD960GS625M7XP4R



P Series 4 SATA III 2.5" SSD (E-tail)

120GB	INSSD120GS625M7XP4
240GB	INSSD240GS625M7XP4
480GB	INSSD480GS625M7XP4
960GB	INSSD960GS625M7XP4

V Series SATA III 2.5" SSD (Version 2)

Choose the V Series SSD to boost the performance of your existing hardware and extend its useful life. It will speed up your daily OS boot times and increase the speed of your applications, overall giving you the best experience of Solid State performance computing.

- 2.5-inch form factor with SATA III 6Gbps interface (backward compatible with SATA 3Gbps and SATA 1.5Gbps)
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- Non-volatile Flash Memory for outstanding data retention
- Ultra-efficient Block Management and Wear Levelling
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- 3 Year Warranty

V Series SATA III 2.5" SSD (Retail)

120GB	INSSD120GS625V2R
240GB	INSSD240GS625V2R

V Series SATA III 2.5" SSD (E-tail)

120GB	INSSD120GS625V2
240GB	INSSD240GS625V2



Actual size

USB 3.0 Portable SSD External

The Integral USB 3.0 Portable Solid State Drive is small, lightweight and ultra-fast. Backup, store and share your digital files effortlessly with a SSD that is smaller, lighter and more durable than a portable HDD and uses the latest SuperSpeed USB 3.0 interface to transfer data up to 10 times faster than USB 2.0. A great accessory for PCs and Macs, compatible games consoles, home and car audio systems and smart TVs.

- Stylish, portable design with SSD durability (no moving parts)
- Ultra-fast SuperSpeed USB 3.0 data transfer (USB 2.0 compatible)
- Compact and lightweight body (credit-card size)
- Powered by USB port
- USB 3.0 cable included
- Read speed up to 400MB/s*
- Write speed up to 370MB/s*
- 2-year warranty



USB 3.0 Portable SSD External

120GB	INSSD120GPORT3.0
240GB	INSSD240GPORT3.0
480GB	INSSD480GPORT3.0

* Based on internal testing



mSATA MO-300 / M.2 SATA III (6Gbps)

Integral's mSATA and M.2 SATA SSD storage solutions are designed for Notebooks, Desktops, Ultrabooks and tablets. They address the need for more low powered compact storage without compromising performance and reliability of solid state drives.

- mSATA and M.2 (22x42, 22x60, 22x80) SSD form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- M.2 SSD supports 'M' & 'B' Key sockets
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- 3 Year Warranty



MSATA MO-300		M.2 SATA 6GBBPS 22X42		M.2 SATA 6GBPS 22X60		M.2 SATA 6GBPS 22X80	
120GB	INSSD120GMSA	120GB	INSSD120GM242	64GB	INSSD64GM.26M2260	120GB	INSSD120GM280
240GB	INSSD240GMSA	240GB	INSSD240GM242	128GB	INSSD128GM.26M2260	240GB	INSSD240GM280
480GB	INSSD480GMSA			256GB	INSSD256GM.26M2260	480GB	INSSD480GM280



UltimaPro X SATA III 2.5" SSD

The UltimaPro X is Integral's extreme performance SSD that can meet your most demanding gaming, graphic design, and video workflow needs. Ideal for gamers and power-users who demand extreme performance, the Integral UltimaPro X range of Solid State Drives are specifically engineered to compliment high-spec machines and provide the best gaming and multimedia application performance. The Integral UltimaPro X range offers extreme performance at great value.

- 2.5 inch form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Non-volatile Flash Memory for outstanding data retention
- Ultra-efficient Block Management and Wear Levelling
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- 5 year warranty



UltimaPro X SATA III 2.5" SSD

240GB	INSSD240GS625UPX
480GB	INSSD480GS625UPX
960GB	INSSD960GS625UPX
2TB	INSSD2TS625UPX

05 | ENCRYPTED USB FLASH DRIVE and SSD



Why Customer Data Security is more important than ever

The GDPR introduces strict guidelines and harsh penalties

What is the GDPR?

The General Data Protection Regulation (GDPR) will strengthen and unify data protection laws for individuals within the European Union and address the export of personal data outside the EU.

Even organisations outside of the EU that process the data of EU residents will have to comply to the GDPR.

This means it will be absolutely crucial for all organisations that carry personal data of individuals within the EU to take the necessary precautions to protect that data.



When will the GDPR be implemented?



The regulation has been adopted as of 27 April 2016. Organisations have two years in which to become compliant. From 25 May 2018 the GDPR will be legally enforced.



What are the possible consequences?

Businesses affected by a data breach can face fines of up to €20 million or 4% of their annual global revenue, whichever is greater. All cases must be fully reported to the organisation's national supervisory authority as well as the individual(s) whose data is at risk.

**FINES UP TO
€20M**

Can you afford to put data at risk?

Encrypted memory significantly reduces risk of data breach

By storing sensitive data on hardware encrypted USB drives and SSDs you minimise the risk of your customer's data being stolen or illegally accessed.

Encrypt to protect your data and reputation

According to Article 32 of the GDPR, you may not be required to report a data breach to the individual if you can demonstrate that you have 'implemented appropriate technological protection measures, and that those measures were applied to the data concerned by the personal data breach.'

This means that if lost or stolen data is encrypted, you may not have to report it and therefore may avoid potential administrative costs and reputation damage.

USB - 256-bit AES Hardware Encryption

Hardware Encrypted USB 3.0 Flash Drives

- **Dual password / Master password override*** in addition to a high-strength user password. If a user forgets their password the Crypto/Courier Dual can be accessed with a master password by an IT administrator (optional)
 - **Rugged triple-layer waterproof design**** - Protects the Drive against knocks, drops, break-in and submerging in water. The electronics are sealed in epoxy resin and then shielded by a hardened inner case. The rubberised silicone outer casing provides a final layer of protection
 - **AES 256-bit hardware encryption**
 - **FIPS 197 Validated / FIPS 140-2 Validated**
 - **Zero Footprint** - No software installation required
 - **Secure Entry** - Data cannot be accessed without the correct high strength alphanumeric 8-16 character password. A password hint option is available. The password hint cannot match the password
 - **Brute-Force Password Attack Protection** - Data is automatically erased after 6 failed access attempts. The data and encryption key are securely destroyed and the Drive is reset
 - **Auto-lock** - The Drive will automatically encrypt all data and lock when removed from a PC or when the screen saver or "computer lock" function is activated on the host PC
 - **Personal ID Function** - As an option, contact details can be added to the drive, that can be viewed without compromising encrypted data
 - Multi-lingual interface and a simple user interface for "out of the box" use
 - **Unique code***** - The USB pin on each drive is etched with a unique and random 7-digit code. This allows a record to be kept of which drive has been allocated to a specific user (Available on all flash drives as an option)
 - **Hardware Unique ID available for use with Endpoint software** (see page 55)
 - **Warranty** - 2 Years
- * Where indicated "Dual password" ** Only on Crypto models
*** Where indicated "Unique code"

Crypto Dual FIPS 140-2/197 Encrypted USB 3.0



Crypto Dual USB 3.0

	FIPS 140-2	FIPS 197
4GB	INF44GCRYDL3.0140-2	INF44GCRYDL3.0197
8GB	INF88GCRYDL3.0140-2	INF88GCRYDL3.0197
16GB	INF16GCRYDL3.0140-2	INF16GCRYDL3.0197
32GB	INF32GCRYDL3.0140-2	INF32GCRYDL3.0197
64GB	INF64GCRYDL3.0140-2	INF64GCRYDL3.0197



Crypto Drive FIPS 140-2/197 Encrypted USB 3.0



Crypto Drive USB 3.0

	FIPS 140-2	FIPS 197
4GB	INF44GCRY3.0140-2	INF44GCRY3.0197
8GB	INF88GCRY3.0140-2	INF88GCRY3.0197
16GB	INF16GCRY3.0140-2	INF16GCRY3.0197
32GB	INF32GCRY3.0140-2	INF32GCRY3.0197
64GB	INF64GCRY3.0140-2	INF64GCRY3.0197

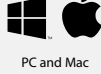
Envoy Dual FIPS 140-2/197 Encrypted USB 3.0



Envoy Dual USB 3.0

	FIPS 140-2	FIPS 197
128GB	INFD128GENVDL3.0-140	INFD128GENVDL3.0-197

Courier Dual FIPS 197 Encrypted USB 3.0



Courier Dual USB 3.0

8GB	INFD8GCOU3.0-197
16GB	INFD16GCOU3.0-197
32GB	INFD32GCOU3.0-197
64GB	INFD64GCOU3.0-197

Courier FIPS 197 Encrypted USB 3.0



Courier USB 3.0

8GB	INFD8GCOU3.0-197
16GB	INFD16GCOL3.0-197
32GB	INFD32GCOU3.0-197
64GB	INFD64GCOU3.0-197

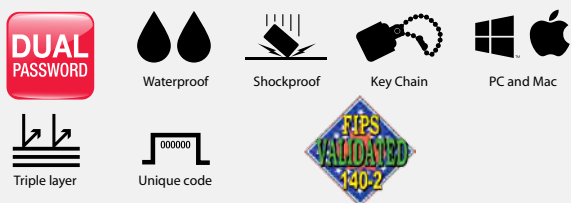
* Based on internal testing

USB - 256-bit AES Hardware Encryption

What is the difference between FIPS 140-2 and FIPS 197 certification?

FIPS 197 certification looks at the hardware encryption algorithms used to protect the data. FIPS 140-2 is the next, more advanced level of certification. FIPS 140-2 includes a rigorous analysis of the product's physical properties. So, with a FIPS 140-2 certified SSD the tamper-proof design of the circuit board has been approved, as well as the data encryption. FIPS certification proves that the product has been tested by an independent government approved laboratory.

Crypto Dual FIPS 140-2 Encrypted USB 2.0

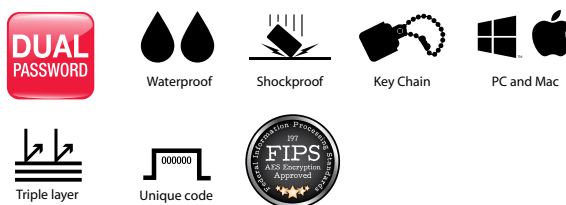


Crypto Dual FIPS 140-2 Drive USB 2.0

2GB	INF22GCRYPTODL140-2
4GB	INF44GCRYPTODL140-2
8GB	INF88GCRYPTODL140-2
16GB	INF16GCRYPTODL140-2
32GB	INF32GCRYPTODL140-2



Crypto Dual FIPS 197 Encrypted USB 2.0



Crypto Dual FIPS 197 Drive USB 2.0

2GB	INF22GCRYPTODL197
4GB	INF44GCRYPTODL197
8GB	INF88GCRYPTODL197
16GB	INF16GCRYPTODL197
32GB	INF32GCRYPTODL197

Crypto Drive FIPS 140-2 Encrypted USB 2.0



Note: this product is PC compatible only

Crypto Drive FIPS 140-2 USB 2.0

2GB	INF2GCRYPTO140-2
4GB	INF4GCRYPTO140-2
8GB	INF8GCRYPTO140-2
16GB	INF16GCRYPTO140-2
32GB	INF32GCRYPTO140-2

Crypto Drive FIPS 197 Encrypted USB 2.0



Crypto Drive FIPS 140-2 USB 2.0

2GB	INF2GCRYPTO197
4GB	INF4GCRYPTO197
8GB	INF8GCRYPTO197
16GB	INF16GCRYPTO197
32GB	INF32GCRYPTO197



Courier FIPS 197 Encrypted USB 2.0



Courier FIPS 197 USB 2.0

2GB	INF2GBCOUAT
4GB	INF4GBCOUAT
8GB	INF8GBCOUAT
16GB	INF16GBCOUAT
32GB	INF32GBCOUAT

Crypto *SSD*

Full Disc Encryption with no licensing or subscription fees

Hardware Encrypted Solid State Drives

Hard Drive security is a challenge facing all IT departments and government bodies.

Integral produce a range of AES 256-bit hardware encrypted SSDs that provide an easy to use, cost effective and highly secure solution that is designed to work with your end-point security.

If a PC/laptop/ultrabook/tablet protected with an Integral Crypto SSD is lost or stolen, sensitive data is securely encrypted and cannot be accessed without the high-strength password. This includes the operating system as well as all other files that are stored on the drive.

An unauthorised user WILL NOT be able to boot the system or access any data by transferring the Crypto SSD to another system or by cloning the drive.

Our Crypto range is FIPS 140-2 validated and all models are zero footprint, so no software installation is required. All files on the drive are automatically encrypted and are protected by a mandatory high-strength password. All Crypto products will securely destroy data safely if the set password attempts are exceeded, protecting your data if lost or stolen.

The Crypto SSD is the no-fuss and highly-secure solid state encryption solution for many industries including; finance, legal, health, education and government.

“Barnes Roffe have really benefited from making the switch from a software-based PC encryption to Integral’s Crypto SSD hardware encryption. We have eliminated the sluggish computing experience we were having with software encryption and we now have a more productive workforce thanks to the massively improved computer boot-up times and faster applications, due to no computer resources being used by the hardware encryption as its applied directly on the Crypto SSD”

Barnes Roffe LLP - Chartered Accountants



Encryption Solution of the Year



Crypto SSD is the **Full Disk Encryption** solution for Windows desktops and laptops. Featuring AES 256-bit **Hardware Encryption** so you can encrypt and protect your sensitive data and get the speed, reliability and power benefits of SSD. Once encryption is set, a valid user name and password is required to access the Crypto SSD prior to system boot (before Windows loads).

TIP!

Hardware encryption in 3 easy steps

1

Install the Crypto SSD in your host device. A Windows operating system is required. This can be cloned from an existing drive or image (with OS and data)

2

Run the “SSDLock” program once (supplied on a USB) to set the encryption and specify usernames and passwords. Power down.

3

Your system is now protected with Full Disk Encryption (FDE). On every boot up, a valid username and password is required to access the system.

SSD - 256-bit AES Hardware Encryption

Key features:

- FIPS 140-2 Validated
- Mandatory encryption
- Secure Entry - Encrypted data cannot be accessed without the correct high-strength 8-16 character alphanumeric password. Before use a high-strength password must be set
- Secure Design - The electronics are sealed in tamper-free epoxy resin
- High-speed Read/Write - up to 450MB/s*
- Quick Boot - Using a solid state disk in place of a traditional hard drive can cut your desktop computer or laptop's boot time in half
- Shockproof - no moving parts, so a greater resistance to shock and vibration than HDD
- Silent operation - no spin or seek time
- Low heat - a more comfortable user experience
- Low power usage - laptop battery will last far longer with SSD than HDD
- Endpoint security software compatible - The Integral Crypto SSD operates comfortably with endpoint security solutions by using the configurable hardware unique ID feature, which is part of the program
- BIOS Independent - Crypto SSD security system runs independently of your system BIOS, unlike other hardware encrypted SSDs
- Seamless encryption unnoticeable to the user
- ADMIN+USER - passwords configurable
- Warranty - 3 Years

Crypto SSD 2.5" SATA III (6Gbps)



Crypto SSD 2.5" SATA III (6Gbps)

64GB	INSSD64GS625M7CR140
128GB	INSSD128GS625M7CR140
256GB	INSSD256GS625M7CR140
512GB	INSSD512GS625M7CR140
1TB	INSSD1TS625M7CR140

Ultra-slim form factor (7mm)

Ideal for the latest slimline laptops, 7mm → 9mm adapter also included

Crypto mSATA/M.2SATA III (6Gbps)



Crypto SSD MSATA III (6Gbps)

64GB	INSSD64GMSA6MCR140
128GB	INSSD128GMSA6MCR140
256GB	INSSD256GMSA6MCR140
512GB	INSSD512GMSA6MCR140

Crypto M.2 SATA 22X60

128GB	INSSD128GM2M2260C140
256GB	INSSD256GM2M2260C140
512GB	INSSD512GM2M2260C140

Crypto M.2 SATA 22X80

128GB	INSSD128GM2M2280C140
256GB	INSSD256GM2M2280C140
512GB	INSSD512GM2M2280C140



Ultra Fast



Low Power Use



Zero Noise



Shockproof

* Based on internal testing

06 | DRAM Memory Upgrades



Desktop Memory Upgrades

You can improve the speed and overall performance of your Desktop PC by increasing the RAM using Integral Memory upgrades. This means less down time, faster programmes and applications and an overall better user experience.

By increasing performance Integral Memory also prolongs the life of your PC, making our memory upgrades one of the simplest and cost effective ways of upgrading your system.



Laptop Memory Upgrades

Laptop performance is critical to many business uses. To improve speed and efficiency installing extra RAM will ensure you get the best results.

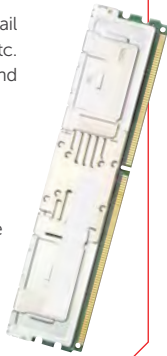
Integral Memory's wide range of upgrades are specifically designed to meet the intense demands placed by today's mobile computers.



Server Memory Upgrades

Memory is essential for high-end servers, file servers, mail servers, running of day-to-day business applications etc. Networks and web servers will operate at great speed and be able to handle more traffic by installing more RAM.

Integral Memory's Server upgrades will provide a consistent, reliable and stable network support environment, to ensure today's demand for constant access are met. Through our use of the premium grade components and extensive testing we can provide compatible solutions of the same high quality and reliability expected from your server.



DDR4

DDR4 DESKTOP UNBUFFERED NON-ECC INTEGRAL

IN4T16GNDLRX	16GB DDRANK4 -2400 DIMM CL17 UNBUFFERED 1.2V
IN4T16GNCLPX	16GB DDRANK4 -2133 DIMM CL15 UNBUFFERED 1.2V
IN4T8GNDJRX	8GB DDRANK4 -2400 DIMM CL17 UNBUFFERED 1.2V
IN4T8GNDLRX	8GB DDRANK4 -2400 DIMM CL17 UNBUFFERED 1.2V
IN4T8GNCJPX	8GB DDRANK4 -2133 DIMM CL15 UNBUFFERED 1.2V
IN4T8GNCLPX	8GB DDRANK4 -2133 DIMM CL15 UNBUFFERED 1.2V
IN4T4GNDJRX	4GB DDRANK4 -2400 DIMM CL17 UNBUFFERED 1.2V
IN4T4GNCJPX	4GB DDRANK4 -2133 DIMM CL15 UNBUFFERED 1.2V

DDR4 DESKTOP UNBUFFERED ECC INTEGRAL

IN4T16GEDLRX	16GB DDRANK4 -2400 ECC DIMM CL17 UNBUFFERED 1.2V
IN4T16GECLPX	16GB DDRANK4 -2133 ECC DIMM CL15 UNBUFFERED 1.2V
IN4T8GEDJRX	8GB DDRANK4 -2400 ECC DIMM CL17 UNBUFFERED 1.2V
IN4T8GECJPX	8GB DDRANK4 -2133 ECC DIMM CL15 UNBUFFERED 1.2V

DDR4 LAPTOP UNBUFFERED NON-ECC INTEGRAL

IN4V16GNDLRX	16GB DDRANK4 -2400 SoDIMM CL17 UNBUFFERED 1.2V
IN4V16GNCLPX	16GB DDRANK4 -2133 SoDIMM CL15 UNBUFFERED 1.2V
IN4V8GNDJRX	8GB DDRANK4 -2400 SoDIMM CL17 UNBUFFERED 1.2V
IN4V8GNDLRX	8GB DDRANK4 -2400 SoDIMM CL17 UNBUFFERED 1.2V
IN4V8GNCJPX	8GB DDRANK4 -2133 SoDIMM CL15 UNBUFFERED 1.2V
IN4V8GNCLPX	8GB DDRANK4 -2133 SoDIMM CL15 UNBUFFERED 1.2V
IN4V4GNDJRX	4GB DDRANK4 -2400 SoDIMM CL17 UNBUFFERED 1.2V
IN4V4GNCJPX	4GB DDRANK4 -2133 SoDIMM CL15 UNBUFFERED 1.2V

DDR4 LAPTOP UNBUFFERED ECC INTEGRAL

IN4V16GEDLRX	16GB DDRANK4 -2400 ECC SODIMM CL17 UNBUFFERED 1.2V
IN4V16GECLPX	16GB DDRANK4 -2133 ECC SODIMM CL15 UNBUFFERED 1.2V
IN4V8GEDJRX	8GB DDRANK4 -2400 ECC SODIMM CL17 UNBUFFERED 1.2V
IN4V8GECJPX	8GB DDRANK4 -2133 ECC SODIMM CL15 UNBUFFERED 1.2V

DDR4 SERVER REGISTERED INTEGRAL

IN4T64GRDMSX4	64GB DDRANK4 -2400 ECC DIMM CL17 RANK4 REGISTERED 1.2V
IN4T32GRDMRX2	32GB DDRANK4 -2400 ECC DIMM CL17 RANK2 REGISTERED 1.2V
IN4T32GRCMPX2	32GB DDRANK4 -2133 ECC DIMM CL15 RANK2 REGISTERED 1.2V
IN4T16GRDHRX2	16GB DDRANK4 -2400 ECC DIMM CL17 RANK2 REGISTERED 1.2V
IN4T16GRCHPX2	16GB DDRANK4 -2133 ECC DIMM CL15 RANK2 REGISTERED 1.2V
IN4T8GRDHRX1	8GB DDRANK4 -2400 ECC DIMM CL17 RANK1 REGISTERED 1.2V
IN4T8GRDJRX2	8GB DDRANK4 -2400 ECC DIMM CL17 RANK2 REGISTERED 1.2V
IN4T8GRDLRX1	8GB DDRANK4 -2400 ECC DIMM CL17 RANK1 REGISTERED 1.2V
IN4T8GRCJPX2	8GB DDRANK4 -2133 ECC DIMM CL15 RANK2 REGISTERED 1.2V
IN4T8GRCHPX1	8GB DDRANK4 -2133 ECC DIMM CL15 RANK1 REGISTERED 1.2V
IN4T8GRCLPX1	8GB DDRANK4 -2133 ECC DIMM CL15 RANK1 REGISTERED 1.2V
IN4T8GRCJPX2	8GB DDRANK4 -2133 ECC DIMM CL15 RANK2 REGISTERED 1.2V

DDR3

DDR3 DESKTOP UNBUFFERED NON-ECC INTEGRAL

IN3T8GNBJMX	8GB DDR3-1866 DIMM CL13 UNBUFFERED 1.5V
IN3T8GNAJXX	8GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T8GNAJXXLV	8GB DDR3-1600 DIMM CL11 UNBUFFERED 1.35V
IN3T8GNZJIX	8GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T8GNYJGX	8GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V
IN3T4GNABKX	4GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T4GNABKXLV	4GB DDR3-1600 DIMM CL11 UNBUFFERED 1.35V
IN3T4GNAJXX	4GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T4GNAJXXLV	4GB DDR3-1600 DIMM CL11 UNBUFFERED 1.35V
IN3T4GNZBIX	4GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T4GNZJIX	4GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T4GNYBGX	4GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V
IN3T2GNABKX	2GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T2GNZBIX	2GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T2GNYBGX	2GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V
IN3T2GNZNIX	2GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T2GNYNGX	2GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V
IN3T1GNZNIX	1GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T1GNYNGX	1GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V

DDR3 DESKTOP UNBUFFERED NON-ECC INTEGRAL VALUE

IN3T8GNAJKI	8GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T8GNAJKILV	8GB DDR3-1600 DIMM CL11 UNBUFFERED 1.35V
IN3T8GNZJII	8GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T4GNAJKI	4GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V

DDR3 LAPTOP UNBUFFERED NON-ECC INTEGRAL

IN3V8GNBJMX	8GB DDR3-1866 SoDIMM CL12 UNBUFFERED 1.5v
IN3V8GNBJMXLV	8GB DDR3-1866 SoDIMM CL12 UNBUFFERED 1.35v
IN3V8GNAJXX	8GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V8GNAJXXLV	8GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.35V
IN3V8GNZJIX	8GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V8GNYJGX	8GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V
IN3V4GNBJMXLV	4GB DDR3-1866 SoDIMM CL13 UNBUFFERED 1.35V
IN3V4GNABKX	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V4GNABKXLV	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.35V
IN3V4GNAJXX	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V4GNAJXXLV	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.35V
IN3V4GNZBIX	4GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V4GNYBGX	4GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V
IN3V2GNABKX	2GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V2GNABKXLV	2GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.35V
IN3V2GNZBIX	2GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V2GNZBIXLV	2GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.35V
IN3V2GNZNIX	2GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V2GNYBGX	2GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V
IN3V2GNYNGX	2GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V
IN3V1GNZNIX	1GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V1GNYNGX	1GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V

DDR3 LAPTOP UNBUFFERED NON-ECC INTEGRAL VALUE

IN3V8GNAJKI	8GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V8GNAJKILV	8GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.35V
IN3V8GNZJII	8GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V4GNAJKI	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V4GNAJKILV	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.35V

DRAM - Memory Upgrades

Integral stock an extensive range of DRAM available on next day delivery. We provide a lifetime warranty* on all modules. Highlights from our product line-up are featured below.

DDR3 continued

DDR3 SERVER REGISTERED INTEGRAL	
IN3T32GRAHXK4	32GB DDR3-1600 ECC DIMM CL11 RANK4 REGISTERED 1.5V
IN3T32GRAHXK4LV	32GB DDR3-1600 ECC DIMM CL11 RANK4 REGISTERED 1.35V
IN3T32GRZHIX4	32GB DDR3-1333 ECC DIMM CL9 RANK4 REGISTERED 1.5V
IN3T32GRZHIX4LV	32GB DDR3-1333 ECC DIMM CL9 RANK4 REGISTERED 1.35V
IN3T16GRBHMXX2	16GB DDR3-1866 ECC DIMM CL13 RANK2 REGISTERED 1.5V
IN3T16GRAHXK2	16GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.5V
IN3T16GRAHXK2LV	16GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.35V
IN3T16GRZHIX2	16GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.5V
IN3T16GRZHIX2LV	16GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.35V
IN3T16GRZHIX2VV	16GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED VLP 1.35V
IN3T8GRAGKX2	8GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.5V
IN3T8GRAGKX2LV	8GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.35V
IN3T8GRBHMXX1	8GB DDR3-1866 ECC DIMM CL13 RANK1 REGISTERED 1.5V
IN3T8GRBGMXX2	8GB DDR3-1866 ECC DIMM CL13 RANK2 REGISTERED 1.5V
IN3T8GRAHXK1	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED 1.5V
IN3T8GRAHXK1LV	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED 1.35V
IN3T8GRAHXK1VP	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED VLP 1.5V
IN3T8GRABKX4	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED 1.5V
IN3T8GRABKX4LV	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED 1.35V
IN3T8GRZGIX2	8GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.5V
IN3T8GRZGIX2LV	8GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.35V
IN3T8GRZGIX2VP	8GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED VLP 1.5V
IN3T8GRZGIX2VV	8GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED VLP 1.35V
IN3T8GRZBIX4	8GB DDR3-1333 ECC DIMM CL9 RANK4 REGISTERED 1.5V
IN3T8GRZBIX4LV	8GB DDR3-1333 ECC DIMM CL9 RANK4 REGISTERED 1.35V
IN3T8GRYGGX2	8GB DDR3-1066 ECC DIMM CL7 RANK2 REGISTERED 1.5V
IN3T8GRYGGX2LV	8GB DDR3-1066 ECC DIMM CL7 RANK2 REGISTERED 1.35V
IN3T8GRYBGX4	8GB DDR3-1066 ECC DIMM CL7 RANK4 REGISTERED 1.5V
IN3T8GRYBGX4LV	8GB DDR3-1066 ECC DIMM CL7 RANK4 REGISTERED 1.35V
IN3T4GRABKX2	4GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.5V
IN3T4GRABKX2LV	4GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.35V
IN3T4GRABKX2VP	4GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED VLP 1.5V
IN3T4GRABKX2VV	4GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED VLP 1.35V

DDR3 SERVER LOAD REDUCED INTEGRAL	
IN3T64GLZHIX8LV	64GB DDR3-1333 ECC DIMM CL9 RANK8 LOAD REDUCED 1.35V
IN3T32GLBHMXX4	32GB DDR3-1866 ECC DIMM CL13 RANK4 LOAD REDUCED 1.5V
IN3T32GLAHKX4LV	32GB DDR3-1600 ECC DIMM CL11 RANK4 LOAD REDUCED 1.35V
IN3T32GLZHIHX4LV	32GB DDR3-1333 ECC DIMM CL9 RANK4 LOAD REDUCED 1.35V

DDR3 SERVER LOAD REDUCED INTEGRAL	
IN4T64GLDMRX4	64GB DDRANK4 -2400 ECC DIMM CL17 RANK4 LOAD REDUCED 1.2V
IN4T64GLCMPX4	64GB DDRANK4 -2133 ECC DIMM CL15 RANK4 LOAD REDUCED 1.2V
IN4T32GLDMRX2	32GB DDRANK4 -2400 ECC DIMM CL17 RANK2 LOAD REDUCED 1.2V
IN4T32GLDHRX4	32GB DDRANK4 -2400 ECC DIMM CL17 RANK4 LOAD REDUCED 1.2V
IN4T32GLCMPX2	32GB DDRANK4 -2133 ECC DIMM CL15 RANK2 LOAD REDUCED 1.2V
IN4T32GLCHPX4	32GB DDRANK4 -2133 ECC DIMM CL15 RANK4 LOAD REDUCED 1.2V

DDR2

DDR2 DESKTOP UNBUFFERED NON ECC	
IN2T4GNXBFX	4GB DDR2-800 DIMM CL6 UNBUFFERED 1.8V
IN2T4GNWBEX	4GB DDR2-667 DIMM CL5 UNBUFFERED 1.8V
IN2T2GNXNFX	2GB DDR2-800 DIMM CL6 UNBUFFERED 1.8V
IN2T2GNWNEX	2GB DDR2-667 DIMM CL5 UNBUFFERED 1.8V
IN2T2GNVNDX	2GB DDR2-533 DIMM CL4 UNBUFFERED 1.8V
IN2T1GNXNFX	1GB DDR2-800 DIMM CL6 UNBUFFERED 1.8V
IN2T1GNWNEX	1GB DDR2-667 DIMM CL5 UNBUFFERED 1.8V
IN2T1GNVNDX	1GB DDR2-533 DIMM CL4 UNBUFFERED 1.8V
IN2T512NWKEX	512MB DDR2-667 DIMM CL5 UNBUFFERED 1.8V
IN2T512NVKDX	512MB DDR2-533 DIMM CL4 UNBUFFERED 1.8V

DDR2 DESKTOP UNBUFFERED ECC	
IN2T2GEXNFX	2GB DDR2-800 ECC DIMM CL6 UNBUFFERED 1.8V
IN2T2GEWNEX	2GB DDR2-667 ECC DIMM CL5 UNBUFFERED 1.8V
IN2T2GEVNDX	2GB DDR2-533 ECC DIMM CL4 UNBUFFERED 1.8V
IN2T1GEXNFX	1GB DDR2-800 ECC DIMM CL6 UNBUFFERED 1.8V
IN2T1GEWNEX	1GB DDR2-667 ECC DIMM CL5 UNBUFFERED 1.8V
IN2T1GEVNDX	1GB DDR2-533 ECC DIMM CL4 UNBUFFERED 1.8V

DDR2 DESKTOP UNBUFFERED ECC	
IN2T2GEXNFX	2GB DDR2-800 ECC DIMM CL6 UNBUFFERED 1.8V
IN2T2GEWNEX	2GB DDR2-667 ECC DIMM CL5 UNBUFFERED 1.8V
IN2T2GEVNDX	2GB DDR2-533 ECC DIMM CL4 UNBUFFERED 1.8V
IN2T1GEXNFX	1GB DDR2-800 ECC DIMM CL6 UNBUFFERED 1.8V
IN2T1GEWNEX	1GB DDR2-667 ECC DIMM CL5 UNBUFFERED 1.8V
IN2T1GEVNDX	1GB DDR2-533 ECC DIMM CL4 UNBUFFERED 1.8V

DDR2 DESKTOP UNBUFFERED ECC INTEGRAL	
IN3T8GEBJMX	8GB DDR3-1866 ECC DIMM CL13 UNBUFFERED 1.5V
IN3T8GEAJKX	8GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.5V
IN3T8GEAJKXLV	8GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.3V
IN3T8GEZJIX	8GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T8GEZJIXLV	8GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.35V
IN3T8GEYJGX	8GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V
IN3T4GEBJMX	4GB DDR3-1866 ECC DIMM CL13 UNBUFFERED 1.5V
IN3T4GEBJMXLV	4GB DDR3-1866 ECC DIMM CL13 UNBUFFERED 1.35V
IN3T4GEABKXLV	4GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.35V
IN3T4GEZBIX	4GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T4GEZBIXLV	4GB DDR3-1333 ECC DIMM CL11 UNBUFFERED 1.35V
IN3T4GEYBGX	4GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V
IN3T2GEABKX	2GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.5V
IN3T2GEZBIX	2GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T2GEZBIXLV	2GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.35V
IN3T2GEZNXIX	2GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T2GEYBGX	2GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V
IN3T2GEYNGX	2GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V
IN3T1GEZNXIX	1GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T1GEYNGX	1GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V

DDR2 LAPTOP UNBUFFERED NON-ECC INTEGRAL	
IN2V4GNXBFX	4GB DDR2-800 SoDIMM CL6 UNBUFFERED 1.8V
IN2V4GNWBEX	4GB DDR2-667 SoDIMM CL5 UNBUFFERED 1.8V
IN2V2GNXNFX	2GB DDR2-800 SoDIMM CL6 UNBUFFERED 1.8V
IN2V2GNWNEX	2GB DDR2-667 SoDIMM CL5 UNBUFFERED 1.8V
IN2V2GNVNDX	2GB DDR2-533 SoDIMM CL4 UNBUFFERED 1.8V
IN2V1GNXNFX	1GB DDR2-800 SoDIMM CL6 UNBUFFERED 1.8V
IN2V1GNWNEX	1GB DDR2-667 SoDIMM CL5 UNBUFFERED 1.8V
IN2V1GNVNDX	1GB DDR2-533 SoDIMM CL4 UNBUFFERED 1.8V

DDR

DDR DESKTOP UNBUFFERED NON ECC	
IN1T1GNSKXCX	1GB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T1GNRKKBX	1GB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T1GNQKBX	1GB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NSKXCX	512MB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T512NRKKBX	512MB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NQKBX	512MB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V

DDR DESKTOP UNBUFFERED ECC	
IN1T1GESKXCX	1GB DDR-400 ECC DIMM CL3 UNBUFFERED 2.5V
IN1T1GERKKBX	1GB DDR-333 ECC DIMM CL2.5 UNBUFFERED 2.5V
IN1T1GEQKBX	1GB DDR-266 ECC DIMM CL2.5 UNBUFFERED 2.5V
IN1T512ESKXCX	512MB DDR-400 ECC DIMM CL3 UNBUFFERED 2.5V
IN1T512ERKKBX	512MB DDR-333 ECC DIMM CL2.5 UNBUFFERED 2.5V
IN1T512EQKBX	512MB DDR-266 ECC DIMM CL2.5 UNBUFFERED 2.5V

DDR DESKTOP INTEGRAL VALUE UNBUFFERED ECC	
IN1T1GNSKCI	1GB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T1GNRKBI	1GB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T1GNQKBI	1GB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NSKCI	512MB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T512NRKBI	512MB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NQKBI	512MB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V

*10 years only in France, Germany and Austria

Kits are available for most parts



Integral Memory Configurator

Use the Integral Memory Configurator to find the correct DRAM memory upgrade for your Desktop PC, Mac, Laptop or Server. You can search by Manufacturer, Model number or the (OEM) Manufacturers memory part number. In three simple steps you can go from start to finish, ready to place your order or call us for our latest prices.

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As easy as 1 2 3

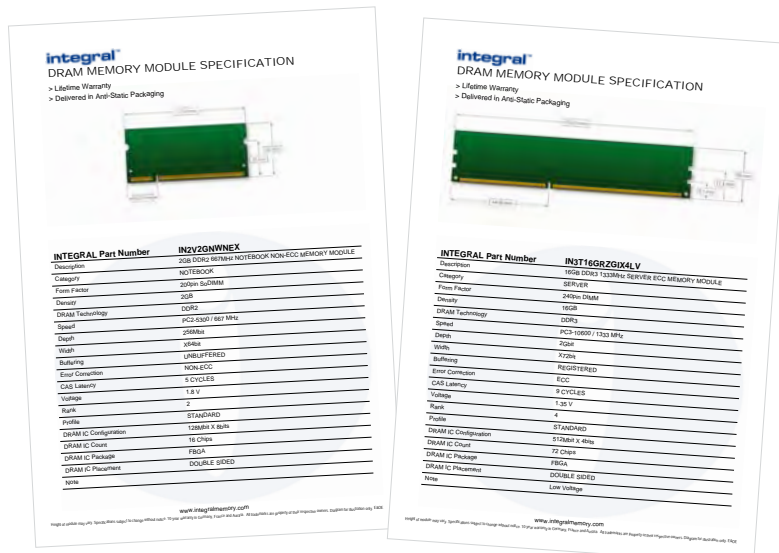
- 1 Choose your computer manufacturer
- 2 Choose the range of your computer
- 3 Your results are displayed



DRAM Spec Sheets

Integral Desktop, Laptop, Server and Retail DRAM memory module spec sheets are available on the Integral memory website.

The spec sheets include physical dimensions, speed, timing and configuration.



Unique ID for Endpoint software

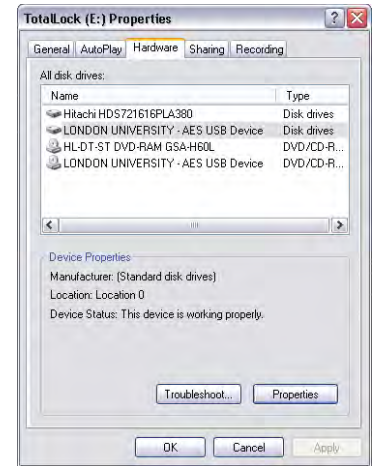
The Integral hardware encrypted Flash Drive range can be personalised with a designated company identifying name or number. This will allow a Network Administrator to block access to unrecognised USBs for security purposes, whilst allowing the Integral encrypted Flash Drive to function as the 'official' company drive.

During production a personalised tag (e.g. "LONDON UNIVERSITY") can be embedded into the Crypto that can be viewed on a PC. The tag gives Endpoint software a convenient

way to identify Integral drives.

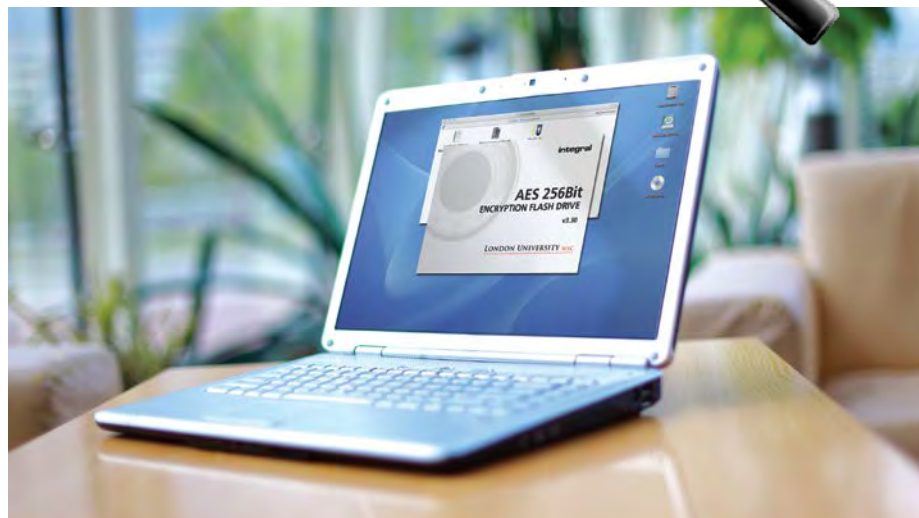
Each drive can be personalized further (upon request) with an individual user specific personal tag e.g. "LONDON UNIVERSITY – USER1234" if required.

This personalisation can be offered on any Integral USB Flash Drive (requested at time of order).



Customisation

Customisation Available - Your own serial number etching, Flash Drive and GUI can be customised to suit your brand (subject to minimum order quantities).



Bundling

Integral work with global camera brands to produce memory card bundling deals for digital cameras and camcorders. We also partner with IT manufacturers to bundle Integral memory cards with tablet PCs and our USB Flash Drives with laptops.



Memory Card & USB Flash Drive Content Pre-Loading Services

Integral Memory can provide a full service including sourcing, memory card supply, duplication, packaging and distribution. We are skilled in producing movies, games, music and navigation maps on memory cards.



Introducing **Integral LED**

Since its creation in 2013, the Integral LED division has grown rapidly to sell and support a wide range of LED lighting solutions, from everyday classic bulbs to highly efficient panels, fire rated downlights and coloured LED strips. Our strict standards of quality-testing have seen Integral LED products awarded a large number of awards and accreditations, including nine Which? Best Buys, multiple 'Lux Recommends' and three finalist positions in the Lighting Design Awards.



integral **LED**



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Become an Integral LED reseller.

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