# ernitec



## **Massive Power**

The Pegasus 5 Series is a powerful video surveillance server range that can take up to two Xeon E5 processors which is optimized to work with CCTV recording Software for sensitive & long-term storage of hundreds of IP/Megapixel cameras.

# **Optimized for Surveillance**

The Pegasus 5 Series is engineered to optimize the way the processor, memory, graphics, OS and software technology work together to deliver massive recording power.

# **Tuned and Tested**

All systems have been hardware tested over 24 hours together with more than 60 unique systems settings before leaving the assembling line to make sure that the server will run 24 hours per day, year after year.

# **Pegasus 5 Series**

**E5 Surveillance Servers** 

- Up to Two Xenon E5 Intel Processors
- Dual Gigabit Network Card
- Up to 36 Hot Swappable HDD bays
- 864 TB Storage with External JBOB
- 1U, 2U, 3U and 4U Rack options
- Integrated 12Gbps Raid Controller
- Battery Backed Raid Controller
- Windows <sup>®</sup> Server 2012 on SSD
- Dual Power Supply
- 3 year Warranty

## **Ernitec Smart Backup**

Bringing new standards to the market with a specially developed configuration GUI for language selection and network settings that simplifies the installation together with the unique Ernitec software developed by Ernitec to back-up the complete machine including OS and VMS settings to internal hardware.

# **12Gbps Raid Controller**

Integrated to the mother board is a new 12Gbps hardware raid controller, doubling the speed of our current 6Gbps raid card with secondary benefit of freeing up a PCI slot on the motherboard.

## **5 Series Numbering System**

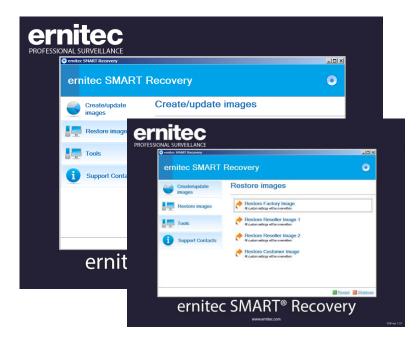
Part Number	Description
BUILD-ESR-5104	5 series 1UH, 4 Storage Bays
BUILD-ESR-5208	5 series 2UH, 8 Storage Bays
BUILD-ESR-5316	5 series 3UH, 16 Storage Bays
BUILD-ESR-5436	5 series 4UH, 36 Storage Bays

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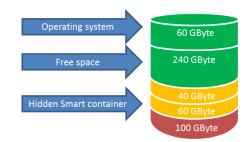
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- Ernitec Smart Recovery is the first and currently only recovery tool for surveillance servers that is designed especially for the surveillance market.
- ESR can save you a huge amount of time and money on trying to find an error now fault finding software errors can be carried out on site with the use of this unique tool.



- Backup the complete machine including OS and VMS settings.
- With ESR you no longer have to think about having a backup of every system you use.
- The most reliable recovery solution for surveillance servers on the market.
- Choose between Factory, Reseller 1, Reseller 2 and Customer image that can boot your server, even after a severe crash.

- Recover the complete machine including OS and VMS settings.
- ESR works on Windows 7, 8, 2008 & 2012 operating system and its applications without re-installation.
- ESR is pre-installed on all Ernitec ESR servers



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The Pegasus 5 series range consists of 4 new chassis types along with a external JBOD storage solution.



#### BUILD-ESR-5104

The 4 Bay 1 UH chassis can be used as a small recording server, a high powered client with our monitor card options packs and as the brain for a large storage solution using our external JBOD storage rack solitons.



#### BUILD-ESR-5316

The 16 Bay 3 UH chassis can be used as a high powered recording server with large storage requirements. Ideal for projects with large resolution and video analytics.



#### BUILD-ESR-5208

The 8 Bay 2 UH chassis can be used as a high powered recording server and high powered client with our monitor card options packs. Ideal for projects with large resolution and video analytics.



#### BUILD-ESR-5436

The 36 Bay 4 UH chassis can be used as a high powered recording server with massive storage requirements. Ideal for projects with large resolution and lots of storage.

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Οηνιγ

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Tempovej 41 2750 Ballerup Denmark The Pegasus 5 Series is designed with large systems in mind requiring high CPU power and large video storage. At Ernitec we recognize that many end users are insisting on retaining their video storage for longer, sometimes up to a years recording is demanded. On top of this fact the image sizes and quality of video is increasing all the time and VMS vendors including Ernitec are allowing more licenses to be included in a server further increasing the need for more storage. With all these facts in mind we have selected a range for external options to meet this demand.



#### BUILD-E5212

The 12 Bay 2 UH JBOD External Storage chassis comes complete with HBA SAS/SATA Raid controller card fitted to server and cable for connection.



## BUILD-E5212-EX

The 12 Bay 2 UH JBOD Additional External Storage expansion chassis comes complete cable for connection. Up to 6 units can be daisy chained.



## BUILD-E5424

The 24 Bay 4 UH JBOD External Storage chassis comes complete with HBA SAS/SATA Raid controller card fitted to server and cable for connection.





#### BUILD-E5424-EX

The 24 Bay 4 UH JBOD Additional External Storage expansion chassis comes complete cable for connection. Up to 6 units can be daisy chained.

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Οηνιέ

Customize options for the Pegasus 5 Series surveillance server range, enables you to design the server to the project requirments. All Motherboards in the range are capable of running two CPUs we have a selection of CPUs that not only offer massive power possibility's but are good value as well.

## **CPU Pass Mark Scores**

	Intel Xeon E5-2630 v3 @ 2.40GHz	Intel Xeon E5-2650 v3 @ 2.30GHz	Intel Xeon E5-2680 v3 @ 2.50GHz
Socket Type	LGA2011-v3	LGA2011-v3	LGA2011-v3
CPU Class	Server	Server	Server
Clockspeed	2.4 GHz	2.3 GHz	2.5 GHz
Turbo Speed	Up to 3.2 GHz	Up to 3.0 GHz	Up to 3.3 GHz
# of Physical Cores	8 (2 logical cores per physical)	10 (2 logical cores per physical)	12 (2 logical cores per physical)
Max TDP	85W	105W	120W
# of Samples	82	28	29
Single Thread Rating	1761	1716	1877
CPU Mark	12841	15239	18890



E5-2630v4	BUILD-E5-CPU-E5-2650v4	BUILD-E5-CPU-E5-2680v4
The E5-2630v4 is our entry level which is fitted as standard in our 5 series	The E5-2650v4 option has 30% more power than the standard E5-2630v4	The E5-2680v4 option has 60% more power than the standard E5-2630v4
range.	processor.	processor.
BUILD-E5-2X-CPU	BUILD-E5-2X-CPU-E5-2650v4	BUILD-E5-2X-CPU-E5-2680v4
We fit an extra E5-2630v4 to your Pegasus 5 series server.	We fit two E5-2650v4 to your Pegasus 5 series server.	We fit two E5-2680v4 to your Pegasus 5 series server.



RAM UPGRADE	
BUILD-E5-UPGRADE-RAM-32GB	RAM upgrade to 32BG, the 5 Series can take up to 2TB RAM if required
RAM UPGRADE	
BUILD-E5-UPGRADE-RAM-64GB	RAM upgrade to 64BG, the 5 Series can take up to 2TB RAM if required

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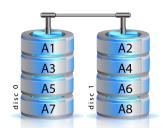
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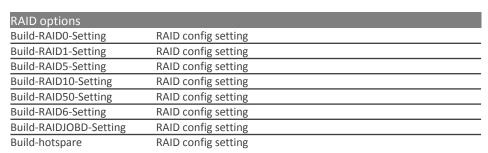
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Customize options for the Build-ERS surveillance server, enables you to design the server to the project requirements. All hard drives are Enterprise performance rated which are optimized for 24/7 surveillance use. The hardware 8ch RAID controller supports 1.5, 3.0 and 6.0 Gb/s SAS and SATA data transfer rates on all channels and the professional graphics card renders pristine image quality on up to four Display Port monitors at resolutions up to 2560 x 1600 per output .

Drive Options	
SATA Drives	
Build-1TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
Build-2TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
Build-3TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
Build-4TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
Build-6TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
SAS Drives	
Build-1TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-2TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-3TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-4TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-6TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
SSD Drives	
BUILD-512GB-SSD-HDD-ESR	24/7 HDD SSD for high speed live database requirements
BUILD-1TB-SSD-HDD-ESR	24/7 HDD SSD for high speed live database requirements









C	
Graphic	controller

**Build-ERC-4monitor** 

Graphic card for 4 monitors with 4 display port or 4 DVI output

Graphic controller	
Build-ERC-6monitor	Graphic card for 6 monitors with 4 display port or 4 DVI output
Graphic controller	
Build-ERC-8monitor	Graphic card for 8 monitors with 4 display port or 4

Graphic card for 8 monitors with 4 display port or 4 **DVI** output

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## **Upgrade Options**

The Pegasus 5 Series server can be customized to your needs enabling you to design the server to the project requirements. This includes installation of the Ernitec EasyView VMS software, EasyView Video Analytics and Licence Plate Recognition software all pre loaded and tested in our factory.



Software Options	
EasyView	Factory installation of EasyView VMS
EasyView License	Factory installation of Ernitec EasyView
	Enterprise Version, 1 channel IP NVR & DVR
	license, max 10 users, 5 servers, 128
	cameras per server

#### Software Options BUILD-VCA-1CH-A

Factory Installation of 1 Channel Video Analytics Advance Surveillance with people counting





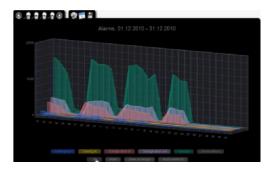
Software Options

ANPR LICENCE

Factory Installation of Automatic Number Plate Recognition system

#### **Reporting Tool**

Factory installation of Software data mining tool for system administrators and retail users to analyse data from the CCTV server (XMC). The tool can be used to obtain information from VCA, people counting and ANPR systems within the server providing more detailed feed back to the system user.



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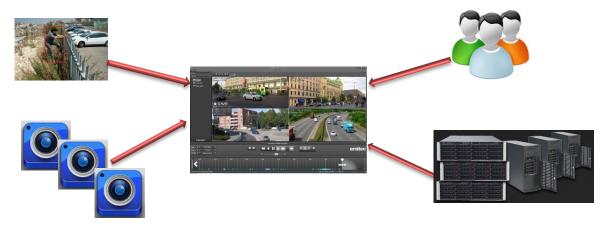


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## **EasyView**

When designing a CCTV system you try to cover all angles and offer the best solution to a customer, however more often than not when a customer sees the quality of the megapixel cameras that have been installed customers will come back and ask for more cameras. If you have purchased a Linux box NVR solution this means you have add a whole new unit just for maybe one of two more cameras. This is not the case with the EasyView Software, if you want to upgrade you simply add the extra licenses you want to increase the system size. We offer many upgrade options that can ultimately take your system an unlimited amount of cameras.



## **EasyView Part Numbers**

#### EVR-PRO CHANNEL

EVR Pro single channel license 5 users, 1 Server. Expansion max 50 channels. Partno: 0063-99997

#### MASTER SERVER EXTENSION

Master server license for additional servers from 6 to 20 and 20 users for EVR Enterprise. Active directory integration. Partno: 0063-99995

#### VIDEO ANALYCTICS CHANNEL

VCA Surveillance License, enterprise license required to run Video Analytics. Partno: 0063-99988

## PRO-ENTERPRISE UPGRADE

Software upgrade from Pro to Enterprise version for 1 channel. To run enteprise all Pro channels need to be upgraded. Partno: 0063-99996

#### SERVER EXTENSION

Master Hydra extension license for additional 10 servers on top of 0063-99995 use this part number to increase in steps of 10 to 150 Part no: 0063-99994

## ANPR

4 Channel ANPR Base License Enterprise license required to run ANPR Partno: 0063-99987

## ENTERPRISE CHANNEL

EVR Enterprise single channel license 10 users, 5 Servers. Expansion max 256 channels. Partno: 0063-99999

#### USER EXTENSION

License for additional 10 users in VMS Pro and VMS Enterprise. Partno: 0063-99993

## REPORTING TOOL

Data mining tool for system administrators Enterprise license required to run Reporting Tool Partno: 0063-99990

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e		D	
Features		Power	
Server Type	4 Bay Rack Server	Redundant PSU	1000W (1+1) high-efficiency (95%+) AC-
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5")	_	DC Redundant power supplies with PMBus
System HDD Option	2 x Samsung 850 EVO 500GB 2,5" RAID-1	Power requirements	100v -240V AC/50-60Hz/920W
Optical drive	DVD-RW	Management	
Monitor output	1 x VGA	Power Configurations	ACPI / ACPM Power Management, Main
Ernitec ESR software	Yes		Switch Override Mechanism, Wake-On-
Ernitec ESR INFO	Yes	-	LAN (WOL) header, Keyboard Wakeup
Auto-rebooting after	Yes	-	from Soft-Off, Power-on mode for AC
power failure		Software	power recovery IPMI 2.0, SPM, SUM, SuperDoctor <sup>®</sup> 5,
Storage		Software	Intel <sup>®</sup> Node Manager 3.0, Watch Dog
Storage interface	SATA / SAS with RAID controller option	Dimensions / Weights	
Storage included	-	Form Factor	1U 19" Rack Frame
Storage bays	4 x 3,5" hot swap bays	Rack Rails	Yes
RAID controller	16ch controller, 6 GB/s per port,	Dimensions	178x437x699
	0,1,5,6,10,50,60 + hot spare	(HxWxD mm)	
Storage hard drive options	see upgrade options for more info	Weight	36,3KG
OS support		General	
OS	Windows Embedded 8.1 Pro 64bit	Languages	25 including : English, German, French,
Upgrade option; Win OS	Windows 2012R2 64bit	-	Spanish, Dutch, Danish, Italian, Finnish
CPU / Memory		Operation conditions	Temperature range from +5°C to +35°C
CPU	INTEL Xeon E5-2630v4 2,20GHz	Operating Relative	8% ~ 90% (non-condensing)
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz	Humidity Range	
	1 x Xeon E5-2680v3 2,50GHz	warranty	3 years
	2 x Xeon E5-2630v4 2,20GHz 2 x Xeon E5-2650v4 2,30GHz	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
	2 x Xeon E5-2680v3 2,50GHz		2M GREY, CAT6 2M BLUE, Power Cord
Memory	16GB 2133MHz DDR4 ECC	– Part number	schuko 2M , Power 2M UK, BUILD-ESR-5104
Cooling			
Fan type	5x 4cm Counter-rotating PWM fans	•	
Hot swap Fan	5	-	
On-Board Devices			A Ama and and and and
Motherboard	Dual socket R3 (LGA2001) supports Intel	10	
	Xeon E5 V3/4 family processors	-	
Keyboard / mouse	USB connector	-	AND
Chipset USB ports	Intel <sup>®</sup> C612 Express PCH		······
USB ports	4x USB 3.0 (2 rear + 2 via headers) 3xUSB 2.0 (1 Type A + 2 via headers)	A second	A DALL OF THE OWNER OWNER OF THE OWNER OW
Network card	Dual Gigabit Ethernet LAN ports		and the second s
	(1x Realtek RTL8211E PHY &		A CONTRACTOR OF THE OWNER OWN
	2x Intel <sup>®</sup> i210AT)		
Embedded RAID Controller	Embedded Onboard RAID for system hard drive		
Integrated RAID Controller	LSI 3108 SAS3 (12Gbps)		
Raid Backup	Battery back up for RAID Controller		

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Features		Power	
Server Type	8 Bay Rack Server	Redundant PSU	740W (1+1) high-efficiency (95%+) AC-DC Redundant power supplies with PMBus
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5")	- Power requirements	100v -240V AC/50-60Hz/920W
System HDD Option	2 x Samsung 850 EVO 500GB 2,5" RAID-1	Management	· ·
Optical drive	DVD-RW	<ul> <li>Power Configurations</li> </ul>	ACPI / ACPM Power Management, Main
Monitor output	1 x VGA	-	Switch Override Mechanism, Wake-On-
Ernitec ESR software	Yes		LAN (WOL) header, Keyboard Wakeup
Ernitec ESR INFO	Yes	-	from Soft-Off, Power-on mode for AC
Auto-rebooting after	Yes	- Software	power recovery
power failure		Software	IPMI 2.0, SPM, SUM, SuperDoctor® 5, Intel® Node Manager 3.0, Watch Dog
Storage		Dimensions / Weights	
Storage interface	SATA / SAS with RAID controller option	- Form Factor	2U 19" Rack Frame
Storage included	-	Rack Rails	Yes
Storage bays	8 x 3,5" hot swap bays	Dimensions	178x437x699
RAID controller	16ch controller, 6 GB/s per port,	(HxWxD mm)	1/0/43//033
	0,1,5,6,10,50,60 + hot spare	Weight	36,3KG
Storage hard drive options	see upgrade options for more info	General	
OS support		Languages	25 including : English, German, French,
OS	Windows 2012R2 64bit		Spanish, Dutch, Danish, Italian, Finnish
CPU / Memory		Operation conditions	Temperature range from +5°C to +35°C
CPU	INTEL Xeon E5-2630v4 2,20GHz	Operating Relative	8% ~ 90% (non-condensing)
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz	Humidity Range	8% 90% (101-condensing)
	1 x Xeon E5-2680v3 2,50GHz	warranty	3 years
	2 x Xeon E5-2630v4 2,20GHz	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
	2 x Xeon E5-2650v4 2,30GHz		2M GREY, CAT6 2M BLUE, Power Cord
	2 x Xeon E5-2680v3 2,50GHz	-	schuko 2M , Power 2M UK,
Memory	16GB 2133MHz DDR4 ECC	Part number	BUILD-ESR-5208
Cooling			
Fan type	3 x 80mm middle cooling fans		
Hot swap Fan	Redundant cooling 3	-	Annual for the second se
On-Board Devices			
Motherboard	Dual socket R3 (LGA2001) supports Intel	<u></u>	as the did 1 j
Wotherboard	Xeon E5 V3/4 family processors	Aller	States and a state of the state
Keyboard / mouse	USB connector	-	and the second s
Chipset	Intel <sup>®</sup> C612 Express PCH	Contraction of the local division of the loc	
USB ports	4x USB 3.0 (2 rear + 2 via headers)	Contraction of Contract	And In Concession in Concessio
	3xUSB 2.0 (1 Type A + 2 via headers)		Constant Constant Constant of Constant
Network card	Dual Gigabit Ethernet LAN ports		
	(1x Realtek RTL8211E PHY &		
	2x Intel® i210AT)		
Embedded RAID Controller	Embedded Onboard RAID for system hard drive		
Integrated RAID Controller	LSI 3108 SAS3 (12Gbps)	<u>in (1)</u>	
Raid Backup	Battery back up for RAID Controller		

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Features		Power	
Server Type	16 Bay Rack Server	Redundant PSU	1000W (1+1) high-efficiency (95%+) AC-
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5")	-	DC Redundant power supplies with
System HDD Option	2 x Samsung 850 EVO 500GB 2,5" RAID-1	-	PMBus
Optical drive	DVD-RW	Power requirements	100v -240V AC/50-60Hz/920W
Monitor output	1 x VGA	Management	
Ernitec ESR software	Yes	Power Configurations	ACPI / ACPM Power Management, Main
Ernitec ESR INFO	Yes	-	Switch Override Mechanism, Wake-On- LAN (WOL) header, Keyboard Wakeup
		-	from Soft-Off, Power-on mode for AC
Auto-rebooting after power failure	Yes		power recovery
Storage		Software	IPMI 2.0, SPM, SUM, SuperDoctor <sup>®</sup> 5,
Storage interface	SATA / SAS with RAID controller option	Dimensions / Weights	Intel <sup>®</sup> Node Manager 3.0, Watch Dog
Storage included	-		
Storage bays	16 x 3,5" hot swap bays	<u>Form Factor</u> Rack Rails	3U 19" Rack Frame Yes
RAID controller	16ch controller, 6 GB/s per port,	- Dimensions	178x437x699
	0,1,5,6,10,50,60 + hot spare	(HxWxD mm)	17674377033
Storage hard drive options	see upgrade options for more info	Weight	36,3KG
OS support		General	
OS	Windows 2012R2 64bit	Languages	25 including : English, German, French,
CPU / Memory			Spanish, Dutch, Danish, Italian, Finnish
CPU	INTEL Xeon E5-2630v4 2,20GHz	Operation conditions	Temperature range from +5°C to +35°C
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz	Operating Relative	8% ~ 90% (non-condensing)
er e epőrade eptiene	1 x Xeon E5-2680v3 2,50GHz	Humidity Range	
	2 x Xeon E5-2630v4 2,20GHz	warranty	3 years
	2 x Xeon E5-2650v4 2,30GHz	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CATE
	2 x Xeon E5-2680v3 2,50GHz	-	2M GREY, CAT6 2M BLUE, Power Cord
Memory	16GB 2133MHz DDR4 ECC		schuko 2M , Power 2M UK,
Cooling		Part number	BUILD-ESR-5316
Fan type	5x 80mm middle cooling fans Redundant cooling		
Hot swap Fan	5	-	
On-Board Devices			
Motherboard	Dual socket R3 (LGA2001) supports Intel	SECTION AND ADDRESS	
	Xeon E5 V3/4 family processors	ATTRATECTION ACTION ACTION	
Keyboard / mouse	USB connector		
Chipset	Intel <sup>®</sup> C612 Express PCH		
USB ports	4x USB 3.0 (2 rear + 2 via headers)		
	3xUSB 2.0 (1 Type A + 2 via headers)	-	
Network card	Dual Gigabit Ethernet LAN ports	The second second	1
	(1x Realtek RTL8211E PHY &		
Embedded RAID Controller	2x Intel <sup>®</sup> i210AT) Embedded Onboard RAID for system hard		
LINDEQUEU NAID CONTOILER	drive		
Integrated RAID Controller	LSI 3108 SAS3 (12Gbps)		
Raid Backup	Battery back up for RAID Controller		



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Features		Power	
Server Type	36 Bay Rack Server	Redundant PSU	1280W (1+1) high-efficiency (95%+) AC-
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5")	-	DC Redundant power supplies with
System HDD Option	2 x Samsung 850 EVO 500GB 2,5" RAID-1	Power requirements	PMBus 100v -240V AC/50-60Hz/920W
Optical drive	DVD-RW	Management	
Monitor output	1 x VGA	Power Configurations	ACPI / ACPM Power Management, Main
Ernitec ESR software	Yes		Switch Override Mechanism, Wake-On-
Ernitec ESR INFO	Yes	•	LAN (WOL) header, Keyboard Wakeup
Auto-rebooting after power failure	Yes	-	from Soft-Off, Power-on mode for AC power recovery
Storage		Software	IPMI 2.0, SPM, SUM, SuperDoctor <sup>®</sup> 5,
Storage interface	SATA / SAS with RAID controller option	Dimensions / Weights	Intel <sup>®</sup> Node Manager 3.0, Watch Dog
Storage included	-	Form Factor	4U 19" Rack Frame
Storage bays	36 x 3,5" hot swap bays	Rack Rails	Yes
RAID controller	16ch controller, 6 GB/s per port,	 Dimensions	178x437x699
	0,1,5,6,10,50,60 + hot spare	(HxWxD mm)	1.0001070000
Storage hard drive options	see upgrade options for more info	Weight	36,3KG
OS support		General	
OS	Windows 2012R2 64bit	Languages	25 including : English, German, French,
CPU / Memory			Spanish, Dutch, Danish, Italian, Finnish
СРО	INTEL Xeon E5-2630v4 2,20GHz	Operation conditions	Temperature range from +5°C to +35°C
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz	Operating Relative	8% ~ 90% (non-condensing)
	1 x Xeon E5-2680v3 2,50GHz	Humidity Range	
	2 x Xeon E5-2630v4 2,20GHz 2 x Xeon E5-2650v4 2,30GHz	warranty	3 years
	2 x Xeon E5-2680v3 2,50GHz	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
Memory	16GB 2133MHz DDR4 ECC		2M GREY, CAT6 2M BLUE, Power Cord
Cooling		Part number	schuko 2M , Power 2M UK, BUILD-ESR-5436
Fan type	7x 80mm middle cooling fans	Farthumber	B01ED-E3R-3430
	Redundant cooling		
Hot swap Fan	7	Reserver Street Wester	
On-Board Devices			
Motherboard	Dual socket R3 (LGA2001) supports Intel		
	Xeon E5 V3/4 family processors		
Keyboard / mouse	USB connector		arrest the Banassonal - Banassonal - 💡
Chipset	Intel <sup>®</sup> C612 Express PCH	I Bernarden in an and	
USB ports	4x USB 3.0 (2 rear + 2 via headers)		•
Network card	3xUSB 2.0 (1 Type A + 2 via headers) Dual Gigabit Ethernet LAN ports		
NELWOIK CATU	(1x Realtek RTL8211E PHY &		
	2x Intel® i210AT)		
Embedded RAID Controller	Embedded Onboard RAID for system drive		
Integrated RAID Controller	LSI 3108 SAS3 (12Gbps)	Mann-strained in a Manne	manak Cananangh Cananangh
Raid Backup	Battery back up for RAID Controller		enderne die Conservation Conservation Conservation Conservation

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