G|RACK™ 12

DATASHEET

G-Technology™

High-Performance, Centralized Storage for Media and Entertainment Workflows

G-RACK™ 12 Network-Attached Storage (NAS) delivers the ultimate in high-performance, centralized storage for small-to-medium size post-production houses, TV/broadcast studios, ad agencies and in-house creative departments that use Adobe® Premiere® Pro, Apple® Final Cut Pro® X or Avid Media Composer®, and other creative applications.

G-RACK 12 brings G-Technology's reliability, scalability, and studio-friendly technology to centralized storage. Streamline demanding media and entertainment workflows of 4K and above with a flexible 12-Bay server offering up to 120TB; integration with popular non-linear editing (NLE) suites; the latest BTRfs file system for better data management; and up to 500TB of usable storage with the addition of G-RACK EXP Expansion Chassis units.[1]

G-RACK 12 is designed to work as a high-capacity storage resource for popular Media Asset Management (MAM) / Digital Asset Management (DAM) applications running on Windows® or Mac OS® servers. G-RACK 12 becomes an available storage resource via multiple network protocols including SMB, NFS, AFP, as well as utilizing iSCSI if needed. Pairing MAM/DAM applications with G-RACK 12 storage delivers a high-performance asset management solution.

G-RACK 12 is the only centralized storage platform that combines:

• High-performance Network-Attached Storage (NAS)

• Scalable 12-Bay server from 48TB to 120TB capacities

• Ultra-reliable Enterprise-class HGST hard drives

• G-Technology developed NAS OS with easy to use interface

• Advanced BTRfs file system for reliable data protection

• iSCSI support for simplified shared storage management

• Integration with top non-linear editing suites

• Supports a full range of networking protocols including: AFP, SMB, CIFS, NFS, FTP, SSH, and iSCSI

• Optional 48TB, 72TB, 96TB or 120TB Expansion Chassis

• Future-friendly platform for software add-ons

• 5-Year limited warranty

FIVE YEAR LIMITED WARRANTY 5

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SPECIFICATIONS

Hard Disk Drive Bays	12
Disks	3.5" HGST Enterprise Drives
Data Transfer Rate	Up to 2000MB/s
Processors	Dual Intel® Xeon® E5 Haswell V3 6-Core (12 Cores Total)
Physical Memory	128GB
Network Ports[2]	4x 10GbE
Host Bus Adapter	2x 12Gbs mini-SAS ports
Power Supply	Dual 920W PSU (redundant)
System	G-RACK 12
Avg Standby (Watts)	14W
Peak Boot-up (Watts)	286W
Avg 100% Load of HDD fio stress test (Watts)	205W
Avg Idle (Watts)	184W
OS Drives	2x 1TB Rear Mounted 2.5" HDDs (mirrored)
Fans	3x 8cm Hot-Swap redundant PWM cooling fans
Client Operating Systems	Mac OS® 10.10 + Windows® 10, Windows 8.1, Windows 7
Unit (H x W x D)	3.5" x 19" x 25.6" (89 x 490 x 648mm)
Package (H x W x D)	14.19" x 26.5" x 34.56" (360 x 673 x 877.8 mm)
Weight	53lbs (24kg)

G-RACK 12 (SERVER)

RAW Capacities	48TB, 72TB, 96TB, 120TB
Usable Capacities (RAID 6)	40TB, 60TB, 80TB, 100TB

BOX CONTENTS

- G-RACK 12 server including 12 bays with internal hard drives
- (2) Power cords
- (2) Bezel locking Keys
- Front bezel
- Rack rail kit
- Rail kit adapter
- Hardware QSG
- Software QSG
- 5-Year limited warranty

OPTIONAL G-RACK 12 EXP (EXPANSION CHASSIS)

RAW Capacities	48TB, 72TB, 96TB, 120TB
Usable Capacities (RAID 6)	40TB, 60TB, 80TB, 100TB

DESCRIPTION	MODEL NUMBER	SKU	UPC
G-RACK 12 48TB 128GB RAM 4x10GbE NIC NA	GRKABBNF48TB12BDA	0G04920	705487202304
G-RACK 12 72TB 128GB RAM 4x10GbE NIC NA	GRKABBNF72TB12BDA	0G04921	705487202311
G-RACK 12 96TB 128GB RAM 4x10GbE NIC NA	GRKABBNF96TB12BDA	0G04922	705487202328
G-RACK 12 120TB 128GB RAM 4x10GbE NIC NA	GRKABBNF120TB12BDA	0G04923	705487202335
G-RACK 12 Expansion 48TB SAS NA	GRKEXPNB48TB12BDA	0G04924	705487202342
G-RACK 12 Expansion 72TB SAS NA	GRKEXPNB72TB12BDA	0G04925	705487202359
G-RACK 12 Expansion 96TB SAS NA	GRKEXPNB96TB12BDA	0G04926	705487202366
G-RACK 12 Expansion 120TB SAS NA	GRKEXPNB120TB12BDA	0G04927	705487202373
G-RACK 12 48TB 128GB RAM 4x10GbE NIC EMEA	GRKABBEF48TB12BDA	0G05179	705487203103
G-RACK 12 72TB 128GB RAM 4x10GbE NIC EMEA	GRKABBEF72TB12BDA	0G05180	705487203110
G-RACK 12 96TB 128GB RAM 4x10GbE NIC EMEA	GRKABBEF96TB12BDA	0G05181	705487203127
G-RACK 12 120TB 128GB RAM 4x10GbE NIC EMEA	GRKABBEF120TB12BDA	0G05182	705487203134
G-RACK 12 Expansion 48TB SAS EMEA	GRKEXPEB48TB12BDA	0G05183	705487203141
G-RACK 12 Expansion 72TB SAS EMEA	GRKEXPEB72TB12BDA	0G05184	705487203158
G-RACK 12 Expansion 96TB SAS EMEA	GRKEXPEB96TB12BDA	0G05185	705487203165
G-RACK 12 Expansion 120TB SAS EMEA	GRKEXPEB120TB12BDA	0G05186	705487203172
G-RACK 12 FRU Spare Parts Kit Main NA	GRKUNFRUP1990A	0G04933	705487203318
G-RACK 12 FRU Spare Parts Kit Expansion NA	GRKUNFRUP1999A	0G04934	705487203325
G-RACK 12 Module Drive 4TB WW	GRKUNFRU00400A	0G04938	705487203332
G-RACK 12 Module Drive 6TB WW	GRKUNFRU00600A	0G04939	705487203349
G-RACK 12 Module Drive 8TB WW	GRKUNFRU00800A	0G04940	705487203356
G-RACK 12 Module Drive 10TB WW	GRKUNFRU01000A	0G04941	705487203363
G-RACK 12 FRU Module Drive 1TB WW	GRKUNFRU00100A	0G04942	705487203370
G-RACK 12 Expansion Card 2x 10GbE NIC	GRKUNFRUM6400A	0G04955	705487203448
G-RACK 12 Expansion Card 2x 10Gbe NIC SFP+	GRKWNIC2X10GSFPAA	0G05189	705487203455

FIVE YEAR LIMITED WARRANTY