Garantir GT- R3000
Powered by PROMISE Technology

Features

- Dynamic storage solution optimized for virtualized environments
- Unified FC & iSCSI connections for SAN and/or NAS in the same storage
- Support for on demand expansion, ideal for today's growing datacenters
- Advanced Storage Services included at no extra cost
- Designed to meet the growing challenge of unstructured data

- Enterprise design with cutting edge redundancy, reliability and high capacity
- Flexible1/10Gbeandoptional8/16GFC, with 12G/6GSASand6GSATAbackwardcompatible
- Fully tuned RAID expansion for video surveillance applications
- Cache Guard Data Protection & Predictive Data Migration (PDM) keep you safe
- Scale up to 208 hard disk drives via Garantir GT-J3000 series expansion units

Agility, Reliability and Ultimate in Value	The Garantir GT-R3000 Series unified storage appliance consolidates both block and file protocols onto a single hardware platform, providing today's SMB IT operations with cost-effective ways to be flexible, meet performance goals while simplifying storage administration. High availability features design with active-active configuration, the Garantir GT-R3000Series storage solution scan be used in data-intensive environments such as virtualized, cloud data centers or mid-size to large scale surveillance installations utilizing the Garatnir GT- A Series products where no downtime is required. From Terabytes to Pet bytes and beyond with support for on-demand expansion capability plus advanced storage services features bundled, the Garantir GT-R3000 Series offerings are the most cost-effective solutions that all SMB's can afford.
Efcient, Intelligent and Highly Scalable for Your Business Nedds	Future proofy our storage investment, the Garantir GT-R3000 Series supports up to 208 hard drives with online expansion capability. Over-allocating of storage leveraging Thin-Provisioning feature helps take the worry out of planning and testing when additional capacity is required in the future. The included Read/Write Flash Cache Acceleration feature provides additional performance boost while lowering the latency. PROMISE intelligent data caching automatically promotes hot data to cache in real time, so you get the full benefit off lash performance. An addition allayer of data protection with the use of the Snapshot feature aides with Point-in-Time content recovery when your business needs it most.
Simplifying Managerment and Support	Simplicity and ease of use are absolutely crucial for SMBs with limited IT resources. The Garantir GT-R3000 is designed specially with SMBs in mind as it features One Plug Auto Service (OPAS) to reduce maintenance complexity and streamline an easier tech support workflow. Simply plug in a USB drive and the user can retrieve information about the system for tech support, upgrade firmware, reset passwords and much more. Embedded web storage management with intelligence Wizard technology helps reduce the learning curveforsetupandconfiguringofthestoragesolutioninyourenvironment.
Going the Extra Mile to Protect Your Data	The Garantir GT-R3000's new Cache Guard Data Protection features, Advanced Battery Flash Backup, go that extra mile to ensure your data is safe in case of power loss. Delivering protection of RAID controller write cache content beyond the standard 72-hour window, you can rest assured knowing your data is protected even when disaster strikes. Predictive Data Migration (PDM) proactive and predictive analytics keepy our data safe with self healing technology.

Technical Specifications

Models and Controller Feature				
Models *S: Single Controller / D: Dual Controller	**GT-R3600iS*/ R3600iD***	**GT- R3600xiS*/ R3600xiD***	**GT-R3604fiS* / R3604fiD**	**GT- R3600tiS*/ R3600tiD***
Drive Support	• Up to 16 3.5"drives • 6/12 Gb SAS, 6 Gb SATA HDD² and SSD • SupportsanymixofSASandSATAdrivessimultaneouslyinthesameenclosure			
Memory	8GB x 1 per ctrl (up to 64GB)			
Host Connectivity per Ctrl	1x Quad port 1GbE	1x Quad port 1GbE 1x Dual port 10GbE SFP+	1x Quad port 1GbE 1 X Quad port 16GB FC	1x Quad port 1GbE 1x Dual port 10GBASE-T
Capacity/Expansion	Online Capacity/Volume Expansion up-to 12 JBOD's, 208 drives			

Operational Features

RAID Levels	0, 1 , 5, 6, 10, 50, 60
RAID Stripe Size Support	64K, 128K, 256K, 512K and 1MB
Hot Spares	Global or dedicated with revertible option
Max pool per System	• Advance pool:32 Standard pool:32
Max Volumes per System	• Advance pool:1024 Standard pool:991
Max Volumes per Pool	• Advance pool:256 Standard pool:31
Advanced Storage Features	• Advanced Cache Mirroring over PCIeGen3 • I/O performance & power monitoring tools • LUN Masking and Mapping • USB Service Log • Asymmetric LUN Unit Access(ALUA) • Data Services¹(optional): Thin-provision Snapshot, Thin Clone, • Perfect Flash - Non-Disruptive Software Update SSD Caching, Pair Management, Remote Thick clone, Cloud Backup and WORM
Background Activities	• Media Patrol • Background Synchronization • Foreground Initialization • Rebuild • Redundancy Check • Disk SMART Polling • Feature rich task scheduler for background activities • UP Monitoring
Perfect RAID Features	• Predictive Data Migration(PDM) • NVRAM Error Logging • Intelligent Bad Sector Remapping • Disk Slot Power Control • SMART Error Handling
SAN Protocol	• 8/16G FC ; Max 256 Sessions purport • 1/10G iSCSI ; Max 1024 Sessions per controller
Storage Expansion per Ctrl	1 x one 12Gb SAS Mini-SAS (SFF-8644)
Management per Ctrl	1 x RJ-45 1Gb Ethernet and 1x RJ11 Serial Port
Green RAID Features	• Four levels of advanced power management disk drive (MAID) support • Efficient 80Plus Certified Power Supply

NAS Features¹

Supported Network Protocols	SMB/CIFS (Windows, MAC), NFS (Linux/Unix), FTP, Web DAV
Max. NAS Share	1024 per pool
NAS Share Size	1PB
Concurrent Sessions / Memory	256 for each protocol /32GB, 128 for each protocol /16GB
Max. Account	10K
Supported Domain	Microsoft Active Directory, LDAP, Apple Open Directory
Max. Domain Account	100k
Data Management	Permission Management, Quota Management, Online Expansion

System Management

Management Interfaces	• Web Based management using Web PAMPROe (Ethernet) • Command Line Interface(CLI) • Third Party Management Support viaSNMP
Supported OSs	Windows Server 2008, 2012, 2016, OS X 10.x, RHEL 6.5, 6.6, 6.7, and 7.2, SLES 11, 11 SP4, and 12 SP1
Software Certification	VMware ESXi 6.7, Citrix Server 7.4, Windows Server 2012 R2

Mechanical Specifications

Power Supply	CRPS 550W ; Efficiency 80PLUS Certified Redundant Power Supply
Voltage	AC: 100-240VAC; DC: 180-320VDC Auto-Ranging
Current	< 8A@100-240VAC@full load; < 8A@180-320VDC@full load
Power Conversion Efficiency	>80% @ 110V (>20% load), >80% @ 240V (>20% load) Temperature Range
Temperature Range	Operational: 5° to 35°C, Non-Operational: -40° to 60°C
Humidity	Operational: 20% to 80% (Non-Condensing), Non--Operational: ~ 95% (Non-Condensing)
Acoustic Noise Levels	< 60dB, 25C
Shock	Operational: 5G, 11 ms duration, Non-Operational: 30G, 11ms duration
Vibration	Operational: 0.2G, 5 to 500Hz (sine wave) ; 0.41G, 3-10-200-500Hz (Random) , Non-Operational: 1G, 5 to 500Hz (sine wave) ; 2.256G, 5-80-350-500Hz (Random)
Safety and Emission Certification	EMC Class A: CE, FCC, VCCI, BSMI, RCM Safety: IEEE CB, NTRL
Environmental Standards	RoHS, WEEE
Dimensions (H x W x D)	131mm x 446.7mm x 507mm (5.2" x 17.6" x 19.96")

Warranty and Support

Warranty	3 years limited warranty
Supported Hardware Options	Flash Module, 8Gb and 16Gb SFP Optical Transceiver, SAS Cable, 6G SAS-to-SATA Interposer Adapter,10Gb SFP+ Optical Transceiver

Note:
132GBDRAMisrequiredforNASFeatureandDataServices. 2
SATA drives require a SAS-SATA adapter.

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GARANTIR & PROMISE is jointly working on the Storage range of Products in Indian market. All the Sales & Support activity taken care by
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Note : Powerd by PROMISe Products