

It's All About Your Data



**SMART
MANAGEMENT**



**COMPETITIVE
PRICING**



VessRAID™ 1000i Series Specifications

VessRAID System	VessRAID 1720i / 1820i	VessRAID 1730i / 1830i	VessRAID 1740i / 1840i
System and Controller Features			
Form Factor	2U	2U	3U
Drive Support	8 Drives (3.5")	12 Drives (3.5")	16 Drives (3.5")
Controller	SAS(3Gb/s), SATAII(3Gb/s), NCQ, TCQ		
Host Channel	Single (Intel® IOP348 1.2GHz)		
Promise Expansion Enclosure	Quad Ports full-duplex 1Gb iSCSI		
Data Cache	N/A		
ISCSI Features	One Port SAS-wide (x4) for VessJBOD series		
Command Queue Depth	512MB~2GB ECC cache memory with Optional BBU (Battery Backup Unit)		
Operational Features	Error Recovery Level 0 Link Aggregation and Jumbo Frames w/ up to 64 Concurrent Sessions CHAP, iSNS and DHCP Microsoft iSCSI MPIO Support		
RAID Levels	1024		
Hot spares	RAID 0, 1, 1E, 5, 6, 10, 50, 60		
Max LUNs per subsystem	Global or Dedicated w/ revertible option		
Max LUNs per array	256		
Variable Block and Sector Size	32		
Disk Data Formats	64KB ~ 1MB stripe block sizes 512B, 1KB, 2KB, 4KB sector size		
Background Activities	Supports Disk Data Format (DDF) for drive roaming between VTrak and VessRAID series systems.		
RAID Robustness	Media Patrol Background Synchronizing: Initialization Rebuild; Redundancy Check SMART Condition Pooling, OCE (Online Capacity Expansion)/RLM (RAID Level Migration) Priority Control: Throttle Rate Control and watermarking per BGA (background activities) in Disk and NVRAM		
System Management	PDM (Predictive Data Migration) PerfectRAID™ advanced error handling Array Error Recovery Read/Write Check Table, Write Hole Table, Bad Sector Re-map Table, NVRAM event logging		
Supported OS	Windows 2000, XP, 2003, Vista, 2008 ¹ RedHat Linux, SuSE Linux, FreeBSD 7.0 VMWare ESX Server 3.5		
Management Tools	WebPAM PROe/SNMP via Ethernet CLI/CLU via RJ-11 or Ethernet LCD Control Panel (Optional) OPAS/UPS Monitor via USB service Power Scheduler Control		
Management Interfaces/Protocols	Ethernet, RJ-11 Serial Port, USB SNMP, SSL, Telnet, SLP		
Event Notification	Email, SNMP, NETSEND, Buzzer, LEDs, LCD Control Panel		
System Information			
AC Input	90 ~ 264 VAC, 47 ~ 63Hz		
Current (Maximum)	6A (100V); 3A (240V)	6A (100V); 3A (240V)	7/8A (100V); 3.5/4A (240V)
Power Supply	Single/Dual 350W 90-264V full-ranging w/PFC 80PLUS® Beonze/80PLUS Efficiency Hot swappable and redundant (Dual)	Single/Dual 350W 90-264V full-ranging w/PFC 80PLUS® Beonze/80PLUS Efficiency Hot swappable and redundant (Dual)	Single/Dual 450W 90-264V full-ranging w/PFC 80PLUS® Beonze/80PLUS Efficiency Hot swappable and redundant (Dual)
FAN	N+1 Design		
Temperature	5° ~ 40°C ² (-40° ~ 60°C non operational)		
Relative Humidity	10% to 80% non-condensing		
Dimensions (H x W x D)	88.2 x 446.2 x 461 mm 3.5 x 17.6 x 18.1 in	88.2 x 446.2 x 461 mm 3.5 x 17.6 x 18.1 in	130.1 x 446.2 x 461 mm 5.1 x 17.6 x 18.1 in
Weight	10.8 / 12.6 kg (23.81 / 27.78 lbs) w/o drives 16 / 17.8 kg (35.27 / 39.24 lbs) w/ drives	11 / 12.8 kg (24.25 / 28.22 lbs) w/o drives 18.8 / 20.6 kg (41.45 / 45.41 lbs) w/ drives	13.2 / 15 kg (29.1 / 33.07 lbs) w/o drives 23.6 / 25.4 kg (52.03 / 56 lbs) w/ drives
Safety/EMI	CE, FCC Class B, VCCI, BSMI, CB, KCC, C-Tick, UL/cUL, TUV		
Base Configuration	VessRAID 2U/3U Unit w/ Drive Carrier RJ11-to-DB9 Serial Data Cable, Power Cord (Single PSU: 1; Dual PSU: 2) Quick Start Guide, Set of Screws, CD (Product Manual, SNMP files, OSG)		
Warranty and Support			
Warranty	3 years limited warranty ³		
Supported Hardware Options	LCD Panel, Front Bezel, Sliding Rail, Battery Backup Unit, SAS Cable		

¹Microsoft® WHQL for Windows Server 2003 and 2008²Operational Temperature between 5° ~ 35°C if BBU installed³BBU is covered by one year limited warranty

©2009 Promise Technology, Inc. Specifications subject to change without notice.

20090522

:: Promise USA

Milpitas, CA
Tel: 1-408-228-1400
E-mail: sales@promise.com

:: Promise China

Beijing, China
Tel: 86-10-8857-8085 or 8095
E-mail: sales-china@promise.com

:: Promise Japan

Tokyo, Japan
Tel: 81-03-5333-3631
E-mail: sales-jp@promise.com.tw

:: Promise Taiwan

Hsin-Chu, Taiwan
Tel: 886-3-578-2395
E-mail: sales@promise.com.tw

:: Promise EMEA

Son, The Netherlands
Tel: 31-40-235-2600
E-mail: sales@promise-emea.com

:: Promise Germany

Dortmund, Germany
Tel: 49-02-31-56-76-48-0
E-mail: sales-de@promise-emea.com

:: Promise Italy

Rome, Italy
Tel: 0039-06-3671-2626
E-mail: sales-it@promise-emea.com

:: Promise UK

Workingham United Kingdom
Tel: 44-0-870-112-59-77
E-mail: sales@promise-emea.com