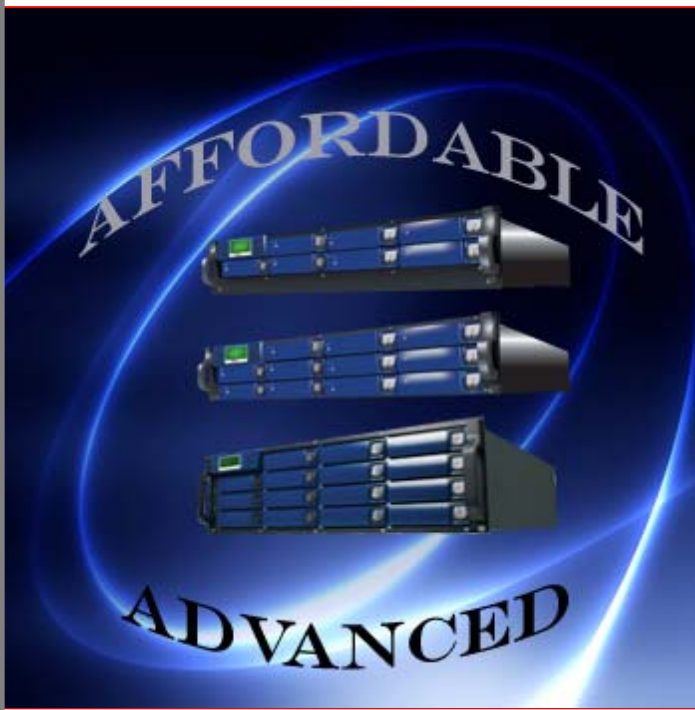




- Data rate up to 400 MB per channel.
- 1 Terabyte to 18 Terabytes of storage capacity.
- Dual channels for load-balancing and failover.
- Cluster-certified for all major clustering software
- Hot Swappable HDDs, Cooling Fans and Power Supply.
- Real time auto volume rebuilding.
- Backward-compatible SATAII drive interface
- RAID 6, 60 ready
- Local N-way mirror for high data protection
- On-line volume migration with no system down-time
- HDD S.M.A.R.T. enabled
- Global / dedicated cache configurable by volume
- Dual independent controllers (Optional for RM80 & RM120 only)
- Modularized cable-less architecture



### High Value with unbeatable ROI

IntelliSAN Network Storage Subsystem is an affordable SAN solution for all businesses. IntelliSAN not only provides 8.0 TB capacity of reliable Storage, but in addition, it can support up to 8 RAID sets, 16 volume sets and 128 LUN. Each storage volume can support and be shared among 128 hosts simultaneously. With build-in cascade function on each port, SAN environment can be easily built to achieve more with less effort. IntelliSAN is a truly sophisticated, fully-integrated storage solution with a price significantly less than other competitive offerings.

### High Availability and Advanced Data Protection

IntelliSAN's reliability is second to none. IntelliSAN supports all RAID levels including 0, 1, 3, 5, 6, 0+1, 10, 30, 50, 60 and JBOD. RAID 6 guarantees data integrity by storing two distributed sets of parties and tolerating two simultaneous HDD failures. Additionally, IntelliSAN series utilizes fully modularized design that replaces all the cables with connectors. Coupling with redundant features, cooling fans and power supply can be easily swapped without impact to the system availability. For mission critical application, all rackmount models include dual power supply, dual fan modules and dual independent active /active RAID controllers (RM80DC and RM120DC only) that provide unmatched reliability and performance. IntelliSAN's newgeneration protection features, allow our customers the same level of data protection as Fortune 100 companies.

### High Usability

3Gen's web-based management software offers the best of both worlds: cutting-edge storage capabilities melded with high usability. 3Gen's web-based management software allows users to manage their RAID systems via web browsers from any place in the world. Moreover, all disk, volume, cache and RAID levels can be configured and monitored by our user-friendly web-based management interface with graphical status indicators. While 3Gen's products are always on the cutting-edge, our customers can rest assured that easy-to-use stays on top of 3Gen's design philosophy. 3Gen is committed to bringing advanced Information Life Cycle Management feature to small and medium businesses.

### Volume Sharing and access control

IntelliSAN is highly efficient. Not only can one storage volume can be shared by 128 hosts, but by sharing the virtualized central storage among all servers, maximum ROI on disk utilization can be achieved.





## Data Specifications



### General

- Product Type: RAID, JBOD
- Storage Architecture: 4Gb FC
- Total Capacity: 1.0TB / 18.0TB
- Total Disks: 4 / 24
- Disk Interface: Serial ATA-II 3 Gbps

### Models

- Rackmount
  - o RM40 – 8 disks (2U)
  - o RM60 – 12 disks (2U)
  - o RM80 – 16 disks (3U)
  - o RM80DC – 16 disks w/ dual controllers (3U)
  - o RM120DC – 24 disks w/ dual controllers (4U)

### Hosts

- Interface: 4Gb FC
- External Ports: 2 / 4 (RM80DC and RM120DC)

### Processor

- Intel Xscale i80331@667Mhz
- Up to 2GB of 64 bit DDR 333 SDRAM
- Battery backup memory mechanism (optional)

### Performance

- Single Channel = 400 MB/s
- Dual Channel = 650 MB/s

### Availability

- Hot Swap – power supply, hard disk drive and cooling fan
- N-way mirror
- Dual channel load-balancing or failover
- Server clustering

### RAID

- Support RAID level: 0,1,3,5,6,0+1,10,30,50 and JBOD
- Support up to 8 RAID sets, 16 volume sets and 128 LUN
- Support global and dedicated hot spare disks
- Support write-through or write back cache policy
- Dedicated or shared cache allocation
- Multiple RAID volume support
- Configurable RAID height
- Online RAID volume expansion and volume availability
- Real time auto volume rebuilding
- Smart faulty sector allocation
- RAID roaming

### Management:

- 1 FastEther port for web-based management
- UARTs for serial console management and UPS

### Environmental

- Temperature
  - o Operating: +10 C to +35 C
  - o Non-operating: -10 C to +50 C
- Relative Humidity
  - o 20% to 80% non-condensing

### Power Supply

- Dual 375W Power Modules (2U) or 460W Power Modules (others)
- Electric – AC Input
  - o Voltage: 100-240 VAC at 50/60 Hz,
  - o Current: 5.0A maximum per input
- Electric – DC Input
  - o Voltage: -48VDC or -60VDC
  - o Current: 18A maximum per input



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