**Origin 200 Technical Specifications**

**Processor Data**
- **Microprocessor**: 64-bit MIPS(R) R10000/360 MHz
- **Primary caches**: 32kB two-way set-associative on-chip instruction cache, 32kB two-way set-associative on-chip data cache
- **Secondary cache**: 360 MHz 4MB ECC cache/processor 270 MHz 4MB ECC cache/processor

**Single Tower Configuration**
- **CPU capacity**: 1 to 2 R10000 or R12000 CPUs per tower
- **Cache coherence**: Fully in cache
- **Interleaving**: 4-way per bank
- **I/O bandwidth**: 125MB/sec sustained, 144GB/sec peak
- **Memory bandwidth**: 630MB/sec sustained, 720MB/sec peak
- **I/O slots**: 5 full-size 32/64-bit 33 MHz 3.3/5 V
- **Secondary cache**: 360 MHz 4MB ECC cache/processor
- **Internal storage channels**: Ultra SCSI, 6.5 Gb/sec in a hot-pluggable drive bay
- **Storage capacity**: 6 3.5'' fixed media hot-pluggable drive bays
- **Communication**: 110Base-T/10Base-TX Ethernet, 2400B/sec serial ports, 1 parallel port
- **Cooling**: 3 variable-speed fans
- **Dual tower system also available**

**GIGAchannel**
- **Bus type**: XIO, PCI
- **XIO bandwidth**: 200MB/sec sustained
- **XIO Additional**: 5 slots
- **Bus type**: XIO, PCI
- **PCI bandwidth**: 200MB/sec sustained
- **PCI Additional**: 4 slots

**PO Options**
- **Fast/Wide Ultra SCSI**: differential, Fast/Wide Ultra SCSI single-ended, 110Base-T/10Base-TX Ethernet, FDDI dual attach, Fibre Channel, 8-port audio, Gigabit Ethernet, OC3, OC12
- **PO Options Cards**: 4-port Ultra SCSI, 1-port Fibre Channel (copper or fiber), 4-port 100Base-TX with 6 x 400Mb/sec serial ports, 4-port ATM OC3, HIPPI serial (200MB/sec full duplex, 6U and 9U VME, DVQ, GBI, FDDI dual attach)

**Mass Storage**
- **Interfaces**: Ultra SCSI and Fibre Channel
- **Maximum bandwidth**: 400MB/sec Ultra SCSI
- **Device capacity**: Ultra SCSI: 360, 720, 1,440 GB, Fibre Channel: 360, 720, 1,440 GB, 36 GB
- **Tape**: 4mm DDS, DLT
- **CD-ROM**: 30x internal
- **Fibre Channel**: 500 MB/sec, 12 x 3.5'' devices
- **RAID**: TPX100, Up to nine TPX100s per rack (220 drives, 8GB, 16GB, 32GB, 64GB)
- **Maximum capacity**: 67TB dual tower (Ultra SCSI), 265TB dual tower (Fibre Channel RAID)

**Software**
- **System**: IRX(R) 6.5, ASE, OPEN VxWorks BASE 95, FreeBSD
- **Networking**: TCP/IP, NFS, Vg/Vs, RIS, DHCP
- **Server**: VPS® 64-bit, Fast/Wide Ultra SCSI, Fast/Narrow Ultra SCSI
- **Web server**: Netscape Enterprise server, Netscape FastTrack Web server, SGI Internet Gateway
- **Propel**: IRS NetWorker, IRIS Pro™ Systems Management Toolbox, Performance Co-Pilot™ "System and network performance monitoring software"
- **Compliance**: ANSI C, C++, Fortran 77, Ada, Pascal, Power Accelerator (PCA), Power Fortran 77, Fortran 90, Power Fortran 90
- **PC/Macintosh Integration**: Syntax-TotolNET Advanced Server (TAS), supports Windows NT(R) and Windows NT(R) (SMB), Netware, AppleShare, Samba for IRIS
- **Security**: Trusted IRIS® Version 6.x with B1 security, Commercial Security Pack (CSP)
- **High availability**: IRS FailSafe (optional)

**Support and Warranty**
- One-year hardware warranty with advanced parts exchange
- Remote diagnostics support available

**Dimensions and Weights**
- **Tower dimensions**: 22.7 H, 26.5" D, 9" W
- **rack-mountable**: 18 customer supplied rack
- **rack-mounted dimensions**: 6 U, 10" D, 24" W
- **Weight**: 59 lb (27 kg) minimum

**Environmental (Nonoperating)**
- **Temperature**: -20° to +60°C
- **Humidity**: 10% to 95% noncondensing
- **Altitude**: 40,000 MSL

**Environmental (Operating)**
- **Temperature**: +5° to +35°C
- **Humidity**: 10% to 80% noncondensing
- **Altitude**: 10,000 MSL
- **Noise**: 55 dba

**Electrical and Power**
- **Voltage**: 110/220 VAC, Phase auto-sensing
- **Power supply**: Standard 48V, Optional Redundant Power Supply (RPS)
- **Frequency**: 50/60 Hz
- **Heat dissipation**: 2.300 BTU/hr, maximum
- **Electrical service**: 100/220VAC @ 5A, 200/220VAC @ 10A
- **Service type**: 1U, Japan, NEMA 5-15P (120V), 6-20P (220V)

**Regulatory**
- Origin 200 is classified FCC Class A, CE, CSA, TUV, UL, CISPRA, and VCCI Class 2 certified

**Configuration Summary**

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<tr>
<td>Physical memory, MB ECC</td>
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<td>Disk capacity, internal</td>
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