



Controller Features

Integrated SCSI Controller and Formatter Standard SCSI Interface Connection (single-ended or differential) Onboard Error Correction Code (ECC) and Error Recovery Procedures (ERP) ECC: Reed-Solomon Product Code 256 KByte Speed-Matching Buffer

SCSI Command Set

Test Unit Ready Rewind Request Sense (Extended) Read Block Limits Read Write Write Filemarks Inquiry Space Recover Buffered Data Mode Select Reserve Unit Release Unit Copy* Erase Mode Sense Load/Unload Receive Diagnostic Results Send Diagnostics Prevent/Allow Medium Removal *per user's requirements

SCSI Characteristics

SCSI Specification - ANSI X3.131-1986 Conformance Level — 2 Sequential Access Device SCSI Bus Parity — Configurable
Full Disconnect, Arbitration, Reconnect Asynchronous Data Transfer Supported Single Ended ANSI Spec Connector Type -Non-shielded Termination - Removable Termination PWR — Use/Not supplied

Formatted Capacity

User selectable data cartridges from 256 MBytes to over 2,000 MBytes

Cartridge Size	Length (ft.)	Maximum Formatted Capacity (MBytes)
256	45	291
512	90	583
1024	180	1166
1536	270	1750
2048	360	2332

Format

Recording format	8mm Helical-Scan Digital Computer Tape
Head	Read after write
configuration	with separate full width erase head
Linear recording density	43,200 bits/in.
Track density	819 TPI

35 million

bits/sq. in.

density Reliability

Areal recording

Non-recoverable error rate: Less than one in 1013 bits read MTBF:>20,000 hours at typical usage MTTR:<30 minutes Preventive maintenance: None required

Performance

Transfer rate (peak): 1.5 MBytes/sec. Transfer rate (sustained): 246 KBytes/sec. Buffer size: 256 KBytes Electronic buffer access time: 400 microseconds

Tape Motion

Rotor speed: 1800 rpm Effective head to tape speed: 150 ips Max. rewind speed: 75 times nominal File search speed: 10 times nominal

Tape speed: 0.429 ips/10.89 mm/sec.

Physical Dimensions

Height: 3.25 in. Width: 5.75 in. Depth: 8.0 in. (Standard 5.25 in. form factor)

Weight: 4.5 lbs.

Power

 $+5/+12 \text{ volts } \pm 4\%$ 15 watts

Environmental

Operating temperature: +5°C to +40°C (+41°F to +104°F) Non-operating temperature: -20°C to $+60^{\circ}\text{C} (-4^{\circ}\text{F to } +140^{\circ}\text{F})$ Relative humidity (non-condensing): 20% to 80%

Media

Standard 8mm tape cartridge $(3.7 \times 2.5 \times 0.6 \text{ in.})$

Models

 ${\sf EXB-8200~S-Single-Ended~SCSI}$ EXB-8200 D — Differential SCSI

All specifications are subject to change without notice.