- 32 Ethernet ports with up to 6 Gigabit ports
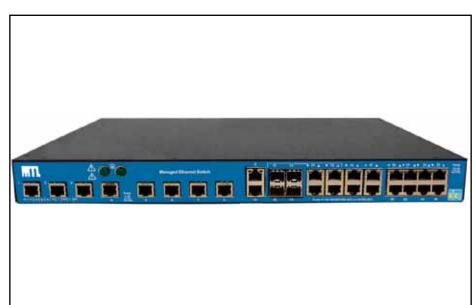
- 26 Ethernet ports with up to 8 Gigabit ports

- Up to 4 fibre optic combination ports with noise-immune links

- Designed to meet industrial standards

- Space efficient 1U rack-mount design

- Redundant AC and DC power options

- Relay output contact to signal alarms

The MTL 9226/32-ETZ is an industrial Ethernet switch offering 26/32 total Ethernet ports including up to 8 super fast Gigabit ports and up to 4 noise-immune fiber optic ports. Its rugged and compact 1U case fits into standard EIA, WECO and ETSI racks from 19" to 24"

PRODUCT HIGHLIGHTS

- RS232 and USB console ports for local management
- Rugged corrosion-resistant aluminum enclosure
- Wide temperature -40 to +85°C operation
- Sealed IP50 option protects against ingress
- Front or reverse mounting options

REAL-TIME SECURE PERFORMANCE

- Redundant Ring or Rapid Spanning Tree (RSTP) for fast ring or mesh networks
- SNMPv1 and v2 network management
- SNMPv3 authentication & encryption for security
- SNMP notifications (traps) for report on event
- Priority Queuing (QoS/CoS) for real-time operation
- IGMP for Multicast filtering (snooping & querying)
- VLAN for convenient traffic segregation
- Broadcast & multicast storm protection
- RMON & port mirroring for advanced diagnostics
- Security with HTTPS, SSL, SSH, SNMPv3 & more
- Easy configuration via Web, Telnet or CLI
- Free field-installable firmware upgrades forever

ETHERNET PERFORMANCE

- 32 Ethernet ports with up to 6 Gigabit ports
- 26 Ethernet ports with up to 8 Gigabit ports
- Managed, store & forward wire-speed
- All IEEE 802.3 Ethernet protocols supported
- RJ45 port speed auto-negotiation
- RJ45 MDI/MDIX auto-crossover
- RJ45 TD and RD auto-polarity
- Typical latency: (varies on load & settings)
    @ 100Mbps: 5µs + frame time
- Full or half duplex operation configurable per port
- MAC addresses supported: 8192
- Memory bandwidth: 32Gbps
- Ethernet isolation: 1500VRMS 1 minute
- Console ports – USB and RS232 (RJ45)

ETHERNET COMPLIANCE

- IEEE 802.3z (Gigabit 1000Mbps Ethernet connections)
- IEEE 802.3u (Fast Ethernet 100Mbps for newer devices)
- IEEE 802.3 (10Mbps Ethernet supports legacy devices)
- IEEE 802.3x (Full-Duplex with Flow Control)
- IEEE 802.1D/w (Rapid Spanning Tree for redundant rings and Spanning Tree for interoperability)
- IEEE 802.1p (Priority Queuing – QoS, CoS, ToS/DS)
- IEEE 802.1Q (VLAN for traffic segregation)

COOPER Crouse-Hinds

SPECIFICATION

REDUNDANT RING

- Link loss recovery: 30mS plus 5mS per hop
- Switches in a ring: <50 for best performance
- Multiple rings supported

"OK" ALARM OUTPUT

- Indicates power & operational status
- Max. ratings
    250VAC or 220VDC
    2A @ 30VDC or 0.25A @ 250VAC
- Minimum load 10mVDC, 10µA

POWER INPUT

- Input voltage standard options:
    18-75VDC (±24/48/60VDC nominal)
    90-264VAC (110/220VAC nominal)
    130-370VDC (250VDC nominal)
- Power options:
    Dual inputs or redundant supplies
- Input power consumption: 27W maximum

ENVIRONMENTAL

- Operating temperature range:
- T option (fan cooled): -40 to +85°C (no derating) (cold startup at -40°C)
- S option (sealed IP50): -40 to +85°C w/all ports linked at 10/100 or derate
    to +75°C with 2 Gigabit links
    to +70°C with 4 Gigabit links
    to +65°C with 6 Gigabit links
    to +60°C with 8 Gigabit links
- Storage temperature range -40 to +85°C
- Humidity (non-condensing) 5 to 95% RH
    (optional conformal coating is available)

STANDARDS COMPLIANCE (PENDING)

- Electrical safety – EN61010-1, CE
- EMC – FCC part 15, ICES-003; EN61000-6-4, -2, CE
- RoHS and WEEE compliant

PHYSICAL

- Mounting: 19" to 24" racks, EIA/WECO/ETSI supported
- Case: corrosion-resistant heavy-gauge aluminum
- Egress protection:
    IP50 with S option
    IP30 with T option
- Weight: (typical) 2.5kg (5.5 lbs) – varies slightly by model
- Dimensions: 44.5 x 439.4 x 305.0 mm (1.75 x 17.3 x 12")

ORDERING INFORMATION

9226-ETZ8G-xyzz	26 port Ethernet rackmount managed switch with 8 Gigabit ports and 4 combo SFP slots
9232-ETZ6G-xyzz	32 port Ethernet rackmount managed switch with 6 Gigabit ports and 4 combo SFP slots
9226-ETZ-xyzz	26 port Ethernet rackmount managed switch with 4 combo SFP slots
9232-ETZ-xyzz	32 port Ethernet rackmount managed switch with 4 combo SFP slots

where x is the style option

F = Ethernet ports in front; power & console in back
R = Ethernet & power in back ;LEDs both sides

y is the case / cooling options

S = sealed IP50 (no fans) (see derating)
T = fan cooled IP30 (no derating)

zz is the power option

DD= dual inputs for ±24/48/60 VDC (±18-75 VDC)
A0 = single input for VAC/VDC (90-264 VAC or 130-370 VDC)
AA = dual VAC/VDC with redundant internal supplies

ACCESSORIES

EK1-BRCKT-19	Set (2) of 1U 19" brackets (one set included)
EK1-BRCKT-23	Set (2) of 1U 23" EIA/WECO brackets
EK1-BRCKT-2324	Set (2) of 1U 23/24" EIA/WECO brackets
EK1-BRCKT-ETSI	Set (2) of 1U 536mm ETSI brackets
EK1-BRCKT-WALL	Set (2) of wall brackets

For fibre optic SFP transceivers please consult the relevant MTL datasheet.

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