TEN710MW/UW  NEW
Transportation EN 50155 & EN 45545-2 Certified Layer 2 Managed/Unmanaged Switch with 10-port LAN, and PoE Supported

Features
- EN 50155 layer 2 managed/unmanaged Ethernet switch
- Power boost for PoE+, max. budget 150W
- Wide operating temperature range from -40°C to 75°C
- Supports ERPS/QoS/LACP and more network control, and security features
- Reliable IP54 & 5 years warranty

Specifications

Standard Color | Black
Construction | SECC enclosure, IP54
System Performance | Packet buffer 12 Mbits
- MAC address table size 18K
- Switching capacity 5.6Gbps
- Forwarding rate 4.166Mpps
Interface | 2 x M12 X-Coded 10/100/1000Mbps LAN with bypass function
- 8 x M12 D-Coded 10/1000Mbps PoE* LAN
- 1 x M12 A-codded RS-232 console
- Light indicator for unit power/Status, port link/active, PoE
PoE Performance* | • Max. 150W@24V output supports PoE & PoE+
- PoE (IEEE 802.3af 15.4W/port)
- PoE+ (IEEE 802.3at 30W/port)
- Supports Power management**: - per port enable/disable, priority setting, overloading protection
- PoE active check/PoE scheduling, PD classification
- Power feeding detecting capacity on PD
Alarm Relay | Relay with current carrying capacity of 1A @ 24 VDC
Power Input | Redundant dual inputs of 24/48 VDC-in or 72-110 VDC-in
Operating Temperature | -40°C to +75°C (-40°F to +167°F)
Dimensions | 143 mm (5.63") (W) x 77 mm (3.03") (D) x 209 mm (8.23") (H)
Mounting | Wall mount and DIN-rail
Weight (net/gross) | 2.7 kg (4.85 lb)/2.5 kg (5.51 lb)
Certifications | CE (Class A), FCC (Class A), EN 50155, EN 45545-2 certified
EMC | CE/EMC, EN 55032 (Class A), EN 55024, FCC part 15 B (Class A)
- EN 50155
- EN 50121-3-2, IEC 62236-3-2
Vibration Endurance | EN 50155
- EN 61373 category 1 class B
Shock | EN 50155
- EN 61373 category 1 class B, half-sine pulse, 5g, 30ms (longitudinal direction), 3g, 30ms (vertical/transverse direction)

*Only for PoE Switch SKUs, see ordering info
**Only for Managed Switch SKUs, see ordering info
***Available for non-PoE SKUs, see ordering info

Layer 2 Features
- Auto-negotiation
- Auto MDI/MDIX
- Flow control (duplex) 802.3x (full)
- Flow control (duplex) back-pressure (half)
- IEEE 802.1D (STP)**
- IEEE 802.1W (RSTP)**
- IEEE 802.1S (MSTP)**
- VLAN group**
- VLAN tagged based**
- VLAN port-based**
- VLAN G-von-Q**
- IEEE 802.3ad with LACP**
- IGMP Snooping v1/v2/v3 supports 1023 IGMP groups**
- IGMP static multicast addresses**
- Querier, immediate leave**
- Storm control**
- G.8032 - Ethernet Ring Protection Switching (ERPS)**
- Jumbo Frame supports 9216 bytes***
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QoS Features**
- CoS
- DSCP
- WRR/SPQ queuing
- Storm protection

Security**
- Management system user name/password protection
- RADIUS (authentication, authorization, accounting)
- HTTP & SSL (secure web)
- SSH v2.0 (secured telnet session)

Management**
- Command Line Interface (CLI)
- Web based management
- Telnet
- Firmware Upgraded via HTTP/TFTP
- Configuration download/upload
- Industrial profiles Ethernet/IP, Modbus TCP

Supported Standard
- IEEE 802.3 – 10BaseT
- IEEE 802.3u – 100BaseTX
- IEEE 802.3ab – 1000BaseT
- IEEE 802.3af Power over Ethernet (PoE)*
- IEEE 802.3at Power over Ethernet (PoE+)*
- IEEE 802.3x – flow control**
- IEEE 802.1Q – VLAN**
- IEEE 802.1p – class of service**
- IEEE 802.1Q – VLAN**
- IEEE 802.1p – class of service**
- IEEE 802.1D – spanning tree**
- IEEE 802.1D – spanning tree**
- IEEE 802.1Q – VLAN**
- IEEE 802.1s – multiple spanning tree**
- IEEE 802.3ad – Link Aggregation Control Protocol (LACP)**
- IEEE 802.1AB – Link Layer Discovery Protocol (LLDP)**
- IEEE 802.1X – access control**
- ITU-T G.8033/Y.1344 - Ethernet Ring Protection Switching (ERPS)**

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## Ordering Information

### Standard

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEN710MW-2G8TP-B-24V</td>
<td>Transportation EN 50155/EN 45545-2 certified, IP54-rated managed Ethernet switch with 8 M12 (D) 10/100 Mbps PoE LAN, 2 M12(X) GbE LAN with bypass function, supports ERPS/QoS/LACP and more network control, security features, and dual power input of 24/48 VDC or 72-110 VDC</td>
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<tr>
<td>TEN710MW-2G8TP-B-48V</td>
<td>Managed Switch with PoE</td>
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</tbody>
</table>

*MW*: Managed and wall mount/DIN-rail installation  
*UW*: Unmanaged and wall mount/DIN-rail installation  
*B*: with Bypass function  
*LV*: 24-48 VDC power input  
*HV*: 72-110 VDC power input

### Dimensions

[Dimensions diagram]

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