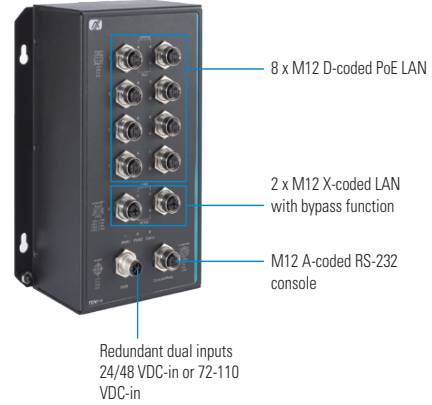


# TEN710MW/UW NEW

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 16K Switching capacity 5.6Gbps Forwarding rate 4.166Mbps
Interface	2 x M12 X-Coded 10/100/1000Mbps LAN with bypass function 8 x M12 D-Coded 10/100Mbps PoE* LAN 1 x M12 A-coded RS-232 console Light indicator for unit power/Status, port link/active, PoE
PoE Performance*	<ul style="list-style-type: none"> <li>• Max. 150W@24V output supports PoE &amp; PoE+</li> <li>• PoE (IEEE 802.3af 15.4W/port)</li> <li>• PoE+ (IEEE 802.3at 30W/port)</li> <li>• Supports Power management**:</li> <li>-Per port enable/disable, priority setting, overloading protection</li> <li>-PD active check/PoE scheduling, PD classification</li> <li>-Power feeding detecting capacity on PD</li> </ul>
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)	2.2 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/FCC 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(IEC) 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	<ul style="list-style-type: none"> <li>• Auto-negotiation</li> <li>• Auto MDI/MDIX</li> <li>• Flow control (duplex) 802.3x (full)</li> <li>• Flow control (duplex) back-pressure (half)</li> <li>• IEEE 802.1D (STP)**</li> <li>• IEEE 802.1w (RSTP)**</li> <li>• IEEE 802.1s (MSTP)**</li> <li>• VLAN group**</li> <li>• VLAN tagged based**</li> </ul>	<ul style="list-style-type: none"> <li>• VLAN port-based **</li> <li>• VLAN Q-in-Q **</li> <li>• IEEE 802.3ad with LACP **</li> <li>• IGMP Snooping v1/v2/v3 supports 1023 IGMP groups **</li> <li>• IGMP static multicast addresses **</li> <li>• Querier, immediate leave **</li> <li>• Storm control **</li> <li>• G.8032 - Ethernet Ring Protection Switching (ERPS) **</li> <li>• Jumbo Frame supports 9216 bytes ***</li> </ul>
QoS Features**	<ul style="list-style-type: none"> <li>• CoS</li> <li>• DSCP</li> </ul>	<ul style="list-style-type: none"> <li>• WRR/SPQ queuing</li> <li>• Storm protection</li> </ul>
Security**	<ul style="list-style-type: none"> <li>• Management system user name/password protection</li> <li>• IEEE 802.1x port-based access control</li> </ul>	<ul style="list-style-type: none"> <li>• TACACS+ RADIUS (authentication, authorization, accounting)</li> <li>• HTTP &amp; SSL (secure web)</li> <li>• SSH v2.0 (secured telnet session)</li> </ul>
Management**	<ul style="list-style-type: none"> <li>• Command Line Interface (CLI)</li> <li>• Web based management</li> <li>• Telnet</li> <li>• Firmware Upgraded via HTTP/FTP</li> <li>• Configuration download/upload</li> </ul>	<ul style="list-style-type: none"> <li>• DHCP (client/relay) System event/error log</li> <li>• SNMP (v1/v2c/v3)</li> <li>• NTP/LLDP</li> <li>• Port mirroring</li> <li>• Industrial profiles Ethernet/IP, Modbus TCP</li> </ul>
Supported Standard	<ul style="list-style-type: none"> <li>• IEEE 802.3 – 10BaseT</li> <li>• IEEE 802.3u – 100BaseTX</li> <li>• IEEE 802.3ab – 1000BaseT</li> <li>• IEEE 802.3af Power over Ethernet (PoE)*</li> <li>• IEEE 802.3at Power over Ethernet (PoE+)*</li> <li>• IEEE 802.3x – flow control**</li> <li>• IEEE 802.1Q – VLAN **</li> <li>• IEEE 802.1p – class of service **</li> <li>• IEEE 802.1D – spanning tree **</li> <li>• IEEE 802.1w – rapid spanning tree **</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.1s – multiple spanning tree **</li> <li>• IEEE 802.3ad – Link Aggregation Control Protocol (LACP) **</li> <li>• IEEE 802.1AB – Link Layer Discovery Protocol (LLDP) **</li> <li>• IEEE 802.1X – access control**</li> <li>• ITU-T G.8032/Y.1344 - Ethernet Ring Protection Switching (ERPS) **</li> </ul>

## Ordering Information

Standard	
TEN710MW-2G8TP-B-24V TEN710MW-2G8TP-B-48V TEN710MW-2G8TP-B-HV	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  <i>Managed Switch with PoE</i> 
TEN710MW-2G8T-B-LV TEN710MW-2G8T-B-HV	Transportation EN 50155/EN 45545-2 certified, IP54-rated managed Ethernet switch with 8 M12 (D) 10/100 Mbps 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  <i>Managed Switch without PoE</i> 
TEN710UW-2G8TP-B-24V TEN710UW-2G8TP-B-48V TEN710UW-2G8TP-B-HV	Transportation EN 50155/EN 45545-2 certified, IP54-rated unmanaged Ethernet switch with 8 M12 (D) 10/100 Mbps PoE LAN, 2 M12 (X) GbE LAN with bypass function, and dual power input of 24/48 VDC or 72-110 VDC  <i>Unmanaged Switch with PoE</i> 
TEN710UW-2G8T-B-LV TEN710UW-2G8T-B-HV	Transportation EN 50155/EN 45545-2 certified, IP54-rated unmanaged Ethernet switch with 8 M12 (D) 10/100 Mbps LAN, 2 M12 (X) GbE LAN with bypass function, and dual power input of 24-48 VDC or 72-110 VDC  <i>Unmanaged Switch without PoE</i> 

\*MW: Managed and wall mount/DIN-rail installation

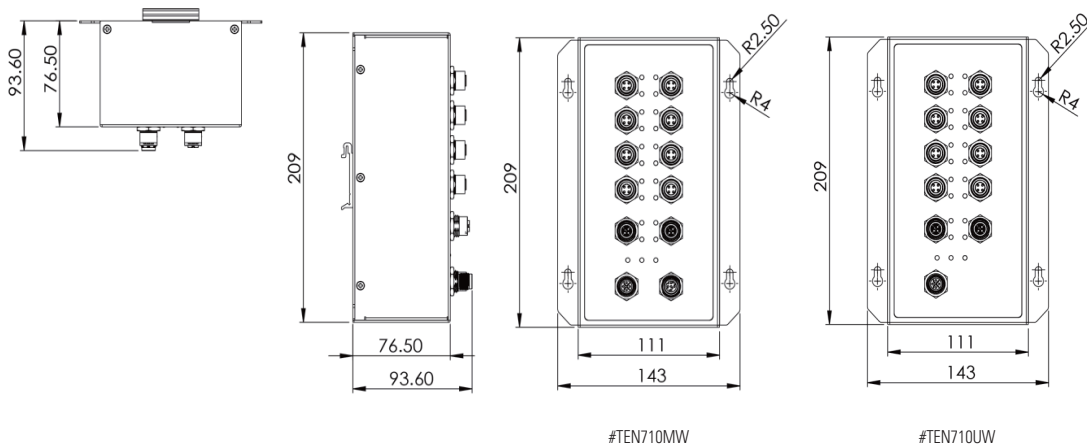
\*UW: Unmanaged and wall mount/DIN-rail installation

\*B: with Bypass function

\*LV: 24-48 VDC power input

\*HV: 72-110 VDC power input

## Dimensions



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660