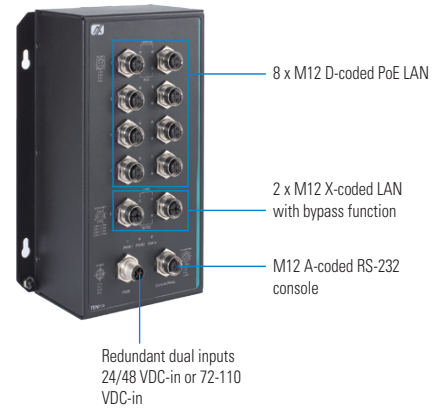


TEN710MW/UW NEW

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*	• 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 • PD 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)	2.2 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	• 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 Q-in-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 ***
QoS Features**	• CoS • DSCP	• WRR/SPQ queuing • Storm protection
Security**	• Management system user name/password protection • IEEE 802.1x port-based access control	• TACACS+ 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	• DHCP (client/relay) System event/error log • SNMP (v1/v2c/v3) • NTP/LLDP • Port mirroring • 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 802.1D – spanning tree ** • IEEE 802.1w – rapid spanning tree **	• 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.8032/Y.1344 - Ethernet Ring Protection Switching (ERPS) **

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

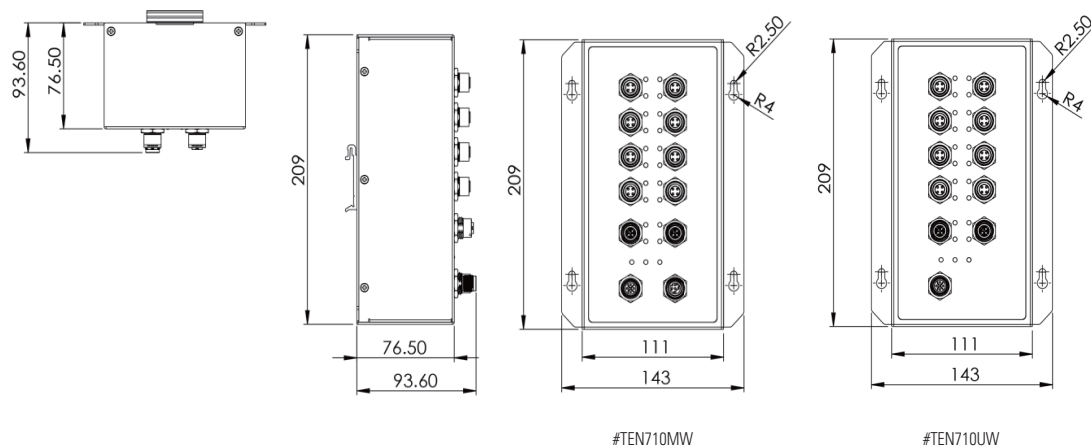
*UW: Unmanaged and wall mount/DIN-rail installation

*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.

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