

Slim size M12 Switch for Rolling Stock and Vehicle Applications

MS208

8-port Unmanaged M12 Ethernet Switch

MS208 is the M12 Ethernet with 8-port Full Gigabit Ethernet for economical solution to railway or bus vehicles . The M12 connectors ensure robust connection under shock and vibration environments. The MS208 is designed with IP30 protection metal enclosure and can operate under wide temperature from -40 to 70° C.





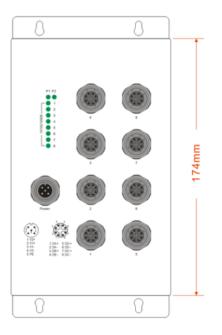


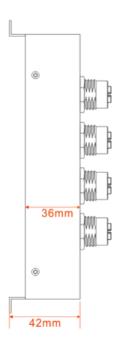


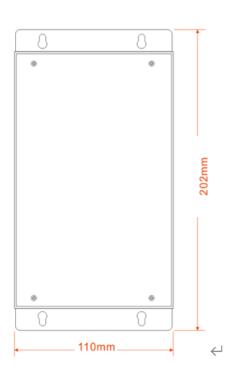


Features & Benefits

- Provide 8 10/100/1000TX M12 Copper ports
- High back-plane bandwidth 20Gbps
- IEEE802.3x Flow control
- Surge protection for power port and data ports
- Wide power input:12~57VDC
- Wide working temperature: -40~75°C
- IP30 Protection
- High Reliability 200,000 hours MTBF









Specifications						
Technology						
Standard	IEEE 802.3 10Base-T Ethernet					
	IEEE 802.3u 100Base-TX Fast Ethernet					
	IEEE 802.3ab 10	00Base	-T Gigabit Ethernet	Copper		
Performance						
Switch Technology	Store and Forwa	rd Techi	nology with Non-Blo	cking Switch I	Fabric	
Number of MAC Address	4K					
Packet Buffer Memory	2M bits					
Transfer performance	10Base-T: 14,880pps, 100Base-TX: 148,800pps, 1000Base-TX: 1,488,100pps					
Interface						
	10/100/1000Base Pin Definition:	e-T, M12	2 8 pin X-Code Fem	ale, Auto Neg	otiation	
	mustration		Transmit Data + (TX+)	DA+		
	4 5	2	Transmit Data (TX-)	DA-		
	4 3	3	Receive Data + (RX+)	DB+		
Ethernet Port	366	4	Receive Data (RX-)	DB-		
		5	Bidirectional data (+)	DD+		
	2 0 0 7	6	Bidirectional data (-)	DD-		
		7 8	Bidirectional data (-) Bidirectional data (+)	DC- DC+		
System LED	1000 Base-T: 4-pair Cat.5E/Cat.6 FTP/STP cable, EIA/TIA 568B 1000hm, 100Meters *Recommended uses FTP/STP cable for the railway on-board application 2 x Power: P1 Green On/Off: Power Input 1					
	P2 Green On/Off		·			
Ethernet Port LED	, ,		(Yellow Blinking)			
	M12 4 pin A-Code Male with polarity reverse protection					
	Illustration	Pinouts	Function			
	1 Power Input (V2+)					
Power input	2 1 3 5 4	2 Power Input (V1+)				
		3	Power Input (V	1-)		
		4	4 Power Input (V2-)			
		5	PE (ground wi	re)		
Power Requirement						
Input Voltage	24VDC (12-57VD	C) Red	undant			
Reverse Polarity Protect	Yes					
Power Consumption	10W					
Mechanical						
Installation	Wall Mount					
Enclosure Material	Steel Metal					
Dimension	110 (W) x 202 (H	l) x 42 m	nm (D)			
Ingress Protection	IP30					
	1					

Environmental	
Operating Temperature & Humidity	-40°C~70°C , 0%~95% Non-Condensing
Storage Temperature	-40°C~80°C
MTBF	>200,000 hours
Warranty	3 years



Model Name	Description
MS208	Industrial 8-port Gigabit M12 Unmanaged Ethernet Switch, X-code M12 Ethernet
	Package List
	1 x Product Unit
	2 x Wall Mount Plates
	1 x Quick Installation Guide



Item	
CBL-M12A5W-2M	M12 5-pin A Code 2 Meter Cable
CBL-M12X8WRJ-2M	M12 8-pin X Code 2 Meter Cable