

MP220 Series

Industrial Media Converter

Features

- One Profibus bus interface and two 1000Base-X ports
- Transparent, compatible with all Profibus upper-level protocols
- Support Baud rate adaptation, automatic detection of serial port Baud rate
- Support redundancy ring network
- Profibus bus interface type optional: 8-bit terminal / DB9
- Fiber optic connector : Multimode / Single Mode
- Power supply input : 24VDC / 220VAC
- Rugged Steel Enclosure
- Fanless design



Product Overview

MP220 is a Din-Rail industrial Profibus fiber optic transceiver offering one Profibus bus interface and a 2-way 1000Base-X transparent transmission media conversion to extend the Profibus bus transmission distance. It is designed for stable, reliable and safe operation in harsh industrial environments with low power consumption and high strength aluminum enclosure providing IP30 protection. It is fanless design and has -40 °C ~85 °C wide range operating temperature.



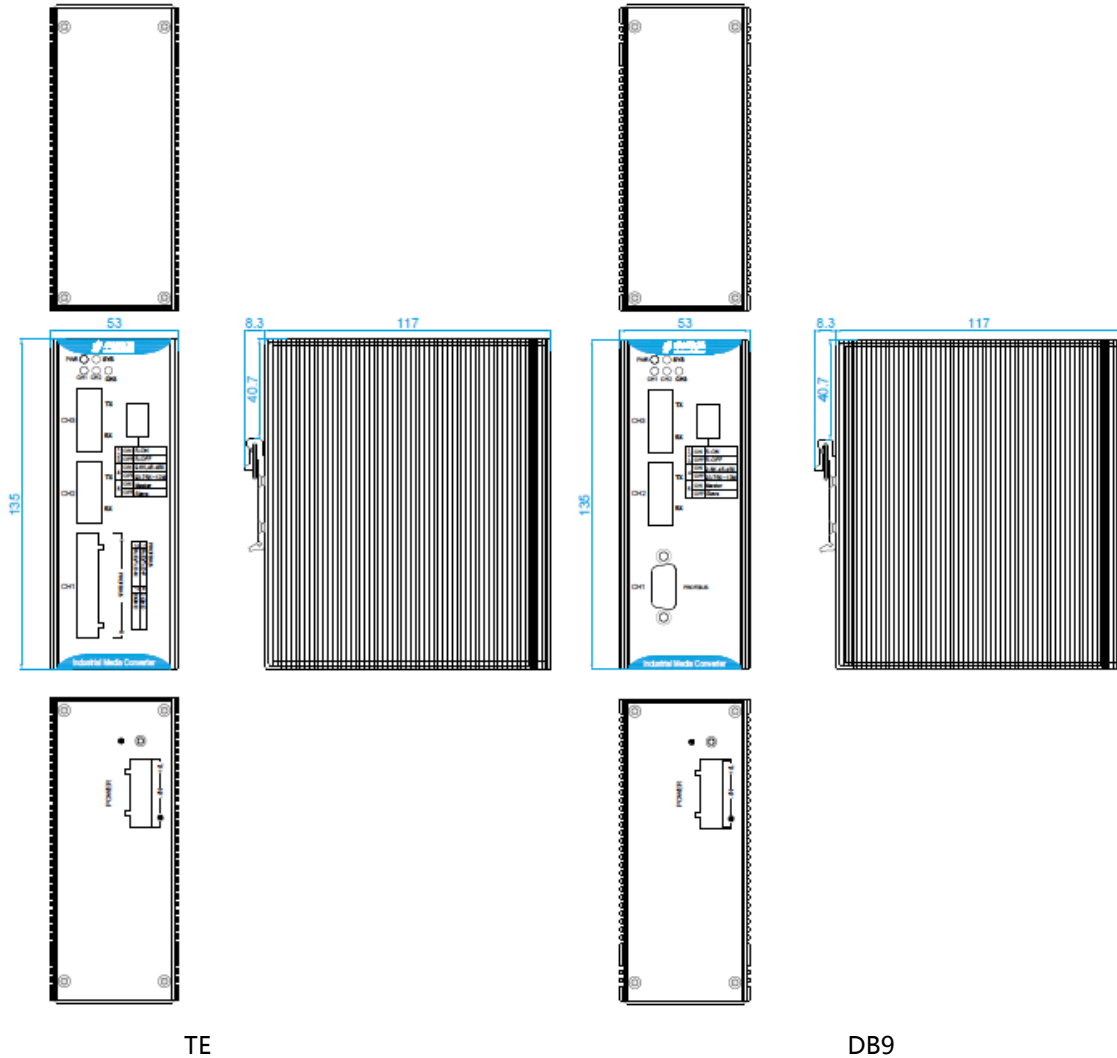
Specification

Compliances			
Standard	EN50170 Profibus Standard		
Switching			
Transmission rate	9.6K~45.45Kbps、93.75K~12Mbps		
Interface			
Serial port	OneProfibus bus interface, 8-bit terminal / DB9, wave rate adaptive, automatically detect serial port wave rate		
Fiber Optical Port	Two 1000Base-X ports (Multimode / Single-mode)		
LED Indicator	Power (PWR), System (SYS), Profibus interface (CH1), Fiber Optical Port 1 (CH2), Fiber Optical Port 2 (CH3)		
Mechanical			
Dimensions	52mm×90mm×124mm(W × D × H)		
Weight	665g		
Installation	DIN Rail		
Protection	IP30		
Electrical			
Input Voltage	24VDC(18 ~ 36VDC) /220VAC(85 ~ 265VAC) Support Overload, reverse connection protection, 5 - pin 5.08mm spacing terminals		
Power	5.7W		
Working Environment			
Operating Temperature	-40°C~85°C		
Storage Temperature	-40°C~85°C		
Relative Humidity	5%~95% (Non condensing)		
Certifications			
System Certification	ISO9001 , ISO14001 , ISO22163 (IRIS)		
EMC	EMI	FCC Part 15 , CISPR (EN55022) class A	
	EMS	ESD	Compliance withEN61000-4-2
		RS	Compliance withEN61000-4-3
		EFT	Compliance withEN61000-4-4
		Surge	Compliance withEN61000-4-5
		CS	Compliance withEN61000-4-6
	PFMF	Compliance withEN61000-4-8	
Vibration	Compliance withIEC 60068-2-6		
Shock	Compliance withIEC 60068-2-27		
Free fall	Compliance withIEC 60068-2-32		



MTBF	500,000
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Physical Dimensions



Ordering Information

Model	Description
MP220-ST01D8DB-D2	1*Profibus Bus Port (DB9) +2* 1000 Base-FX port (ST multi mode double fiber, 850nm,0.5km), Din- Rail Industrial Serial Port Fiber Optic Transceiver, 18~36VDC
MP220-ST20D3DB-D2	1*Profibus Bus Port (DB9) +2* 1000 Base-FX port (ST single mode double fiber, 1310nm,20km), Din- Rail Industrial Serial Port Fiber Optic Transceiver, 18~36VDC
MP220-ST01D8TE-D2	1*Profibus Bus Port (Industrial Terminal Mode)+2*1000 Base-FX port



	(ST multi mode double fiber, 850nm,0.5km), Din-Rail Industrial Serial Port Fiber Optic Transceiver, 18~36VDC
MP220-ST20D3TE-D2	1*Profibus Bus Port (Industrial Terminal Mode)+2*1000 Base-FX port (ST single mode double fiber, 1310nm,20km), Din-Rail Industrial Serial Port Fiber Optic Transceiver, 18~36VDC
MP220-ST01D8DB-HV	1*Profibus Bus Port (DB9)+2* 1000 Base-FX port (ST multi mode double fiber, 850nm,0.5km), Din- Rail Industrial Serial Port Fiber Optic Transceiver, 85~265VAC/DC
MP220-ST20D3DB-HV	1*Profibus Bus Port (DB9)+2* 1000 Base-FX port (ST single mode double fiber, 1310nm,20km), Din- Rail Industrial Serial Port Fiber Optic Transceiver, 85~265VAC/DC
MP220-ST01D8TE-HV	1*Profibus Bus Port (Industrial Terminal Mode) +2*1000Base-FX port(ST Multi mode double fiber,850nm,0.5km) , Din-Rail Industrial Serial Port Fiber Optic Transceiver ,85~265VAC/DC
MP220-ST20D3TE-HV	1*ProfibusBus Port (Industrial Terminal Mode) +2*1000Base-FX port(ST Single mode double fiber,1310nm,20km) , Din-Rail Industrial Serial Port Fiber Optic Transceiver ,85~265VAC/DC
MP220-ST02D3DB-D2	1*ProfibusBus Port (DB9) +2*1000Base-FX PORT(ST Multi mode double fiber ,1310nm ,2km) ,Din-Rail Industrial Serial Port Fiber Optic Transceiver , 18~36VDC
MP220-ST02D3TE-D2	1*ProfibusBus Port (Industrial Terminal Mode) +2*1000Base-FX PORT(ST Multi mode double fiber , 1310nm , 2km) , Din-Rail Industrial Serial Port Fiber Optic Transceiver , 18~36VDC
MP220-ST02D3DB-HV	1*ProfibusBus Port (DB9) +2*1000Base-FX PORT(ST Multi mode double fiber ,1310nm ,2km) ,Din-Rail Industrial Serial Port Fiber Optic Transceiver , 85~265VAC/DC
MP220-ST02D3TE-HV	1*Profibus Bus Port (Industrial Terminal Mode) +2*1000Base-FX Port(ST Multi mode double fiber , 1310nm , 2km) , Din-Rail Industrial Serial Port Fiber Optic Transceiver , 85~265VAC/DC



More information

For more information about Excellence products, visit the Excellence website or contact Excellence's local sales agency.

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