

INDUSTRIAL POE MEDIA CONVERTER

DDMCPI SERIES



SYNOPSIS

- THE DDMCPI E SERIES IS A 10/100 MBPS INDUSTRIAL POE FIBER SWITCH DESIGNED FOR INDUSTRIAL NETWORKING APPLICATIONS.
- THE SWITCH CAN PROVIDE BOTH POWER AND DATA TRANSMISSION TO POE DEVICES SUCH AS WIRELESS ACCESS POINTS, IP CAMERAS, AND VOIP PHONES, MAKING IT SUITABLE FOR INDUSTRIAL AND SURVEILLANCE NETWORKS REQUIRING RELIABLE CONNECTIVITY AND EFFICIENT POE POWER SUPPLY.

FEATURES & BENEFITS

- IT FEATURES ONE 10/100 MBPS POE ETHERNET PORT AND ONE 155 MBPS SC FIBER PORT
- SUPPORTS IEEE 802.3AF/AT POE STANDARDS, DELIVERING UP TO 30W POE POWER PER PORT.
- AS A POWER SOURCING EQUIPMENT (PSE) DEVICE, IT AUTOMATICALLY DETECTS AND SUPPLIES POWER TO POE-ENABLED POWERED DEVICES (PDS) THROUGH THE ETHERNET CABLE.
- POWER SUPPLY IS 48-57V DC.
- INGRESS PROTECTION IS IP40

TECHNICAL SPECIFICATIONS

Fixed Port	1*10/100Base-T/TX PoE port (Data/Power) 1*155M uplink SC port (Data)
Twisted Pair Transmission	10BASE-T : Cat3,4,5 UTP (≤100 meter) 100BASE-T : Cat5e or later UTP (≤100 meter)
Ethernet Port	10/100Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption
Fiber Port	Default is single-mode dual-fiber 20km, SC interface.
Optical Cable/ Distance	Multi-mode: 850nm 0 to 500M; 1310nm 0 to 2kM. Single mode: 1310nm 0 to 40KM,1550nm 0-120KM.
Network Protocol	IEEE802.3u 100Base-T/TX, IEEE802.3u 100Base-FX, IEEE802.3x
Forwarding Mode	Store and forward
Switching Capacity	1.6Gbps
Forwarding Rate@64byte	0.30Mpps
MAC	2K
Buffer Memory	768K
Jumbo Frame	1536 bytes
LED Indicator	PWR, Link/Act, Speed, PoE

APPROVALS AND STANDARDS TESTED FOR

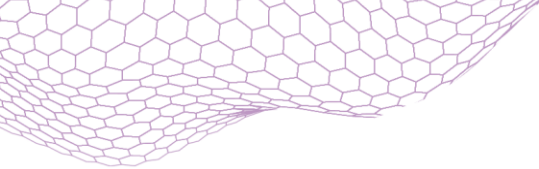
EN61000-4-2	(ESD): $\pm 8\text{kV}$ contact discharge, $\pm 15\text{kV}$ air discharge
EN61000-4-3	(RS) 10V/m ($80\sim 1000\text{MHz}$)
EN61000-4-4	(EFT): power cable: $\pm 4\text{kV}$; data cable: $\pm 2\text{kV}$
EN61000-4-5	(Surge) power cable: $\text{CM}\pm 4\text{kV}/\text{DM}\pm 2\text{kV}$; data cable: $\pm 4\text{kV}$
EN61000-4-6	(Radio frequency transmission): 10V (150kHz to 80MHz)
EN61000-4-8	(Power frequency magnetic field): 100A/m ; 1000A/m , 1s to 3s
IEC61000-4-9	(Pulsed magnet field): 1000A/m
IEC61000-4-10	(Damped oscillation): 30A/m 1MHz
IEC61000-4-12/18	(Shockwave): $\text{CM } 2.5\text{kV}$, $\text{DM } 1\text{kV}$
IEC61000-4-16	(Common-mode transmission): 30V ; 300V , 1s
FCC Part15, CISPR 22(EN55032) Class A	
CE/LVD EN60950; FCC Part 15 Class B; RoHS	

POWER

Input Voltage	48-57V DC; 6 Pin industrial Phoenix terminal, Support reverse polarity protection.
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	30W ; IEEE802.3af/at
Total PWR / Input Voltage	36W / 48VDC
Power Consumption	Standby: $<3\text{W}$. Full load: $<36\text{W}$

PHYSICAL CHARACTERISTICS

Dimension (L*W*H)	$118*86*39\text{mm}$
Installation	Desktop, DIN rail
Weight	200gm
Ingress Protection	IP40



ENVIRONMENT

Working Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Operating Humidity	5% to 90% (no condensation)
Storage Humidity	5% to 95% (no condensation)

ORDERING CODE

DDMCPI M/SXXX SC/ST E

DDMCPI	Industrial Grade PoE Media Converter
M/SXXX	M: Multimode (wavelength 850nm up to 550m) S: Single Mode, XXX = 020, 040, 080, 100Kms (Wavelength 1310nm for 20km)
SC/ST	SC: SC Connector ST: ST Connector
E	Fixed

DATA BRIDGE
D Y N A M I C