

IMC-1001S-PH & IMC-1001-PH

- ¶1x GbE RJ45 to 1x 100/1000Base SFP with PoE PSE (30W)
- ▶ 1x GbE RJ45 to 1x 100/1000Base-X SC with PoE PSE (30W)
- Supports LFPT (Link Fault Pass Through)
- ▲ CE and FCC certified



CEF©

The industrial grade unmanaged Gigabit PoE media converter with 1 Gigabit UTP port and features 1 SC/ST Gigabit fiber on IMC-1001-PH or 1 100/1000 SFP slot on IMC-1001S-PH, used for copper cable to optical fiber interface conversion, supports PoE+ standard IEEE802.3af/at and can inject up to 30 watts of power into PoE equipment. They are designed for harsh environments such as IP surveillance, industrial networks, Intelligent Transportation Systems (ITS) are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

Features •

- Conversion between 10/100/1000Base-T and 100/1000Base-X SFP Fiber interface (IMC-1001S-PH)
- Conversion between 10/100/1000Base-T and 1000Base-X SC Fiber interface (IMC-1001-PH)
- Supports dual rate (100/1000) SFP for selectable Fast or Gigabit speed on fiber
- Provides IEEE 802.3at PoE output (30Watts)
- Provides a DIP-Switch to set functions
- IP30 rugged metal housing and fanless
- Wide operating temperature -20~70° C (IMC-1001S-PHE)
- Supports Jumbo frame 9K bytes packet

Standard	IEEE 802.3	10Base-T 10Mbit/s Ethernet	
	IEEE 802.3u	100Base-TX, 100Base-FX, Fast Ethernet	
	IEEE 802.3ab	1000Base-T Gbit/s Ethernet over twisted pair	
	IEEE 802.3z	1000Base-X Gbit/s Ethernet over Fiber-Optic	
	IEEE 802.3x	Flow Control and Back pressure	
	IEEE 802.3at	PoE+ (Power over Ethernet enhancement)	
	IEEE 802.3af	PoE (Power over Ethernet)	
	IEEE 802.1q	Tag VLAN	
RJ45 Ports	10/100/1000Base-T Auto MDI/MDI-X and Auto negotiation Function Supports UTP CAT.5e Twisted Pair cable		
Fiber Ports	100Base-X or 1000Base-X SFP slot (IMC-1001S-PH) 100Base-X or 1000Base-X set by DIP SW (IMC-1001S-PH) 100Base-X SC (IMC-1001-PH)		
Data Process Architecture	Store and Forward mode or Pass Through mode Set by DIP SW		
Jumbo Frame	16K bytes		
Fiber Parameters	Fiber Cable (Multi-mode): 50/125um, 62.5/125um		
	Fiber Cable (Single-mode): 9/125um		
	Available distance • SFP. Distance de	e: pend on plug-in Fiber Transceiver	



Industrial GbE PoE Media Converter



CLEPT Fiber Fibe	Link Fault Pass Through						
DIP Switch	(LFPT)	Fiber-TX: If Fiber port link down, the media converter will force TX port to link down					
SW1	<u> </u>	1					
SW2	DIP Switch						
SW3							
SW4		SFP Fiber Speed					
Connector and 100M or 1000M SF Bold (IMC-10015-PH) 100M SC (IMC-1001-PH) 100M SC (IMC-1001-PH)		Off: 1000Basex / Ou: 100Base x (IMC-10012-bH)					
Diomark Diom				: PoE Output Disable			
Auto MDI/MDI-X and Auto negotiation Function RJ-45 Port supports IEEE 802.3at/af End-Span, Alternative A mode PoE (VI)-RJ-45 pin 3, 6 Data (I, 2, 3, 6, 4, 5, 7, 8)		100M or 1000M SFP Slot (IMC-1001S-PH)					
RJ-45 Port supports IEEE 802.3at/af End-Span, Alternative A mode Pole [Vrit, R1.45 pin 1, 2. Pole [Vrit, R1.45 port] Data (1, 2, 3, 6, 4, 5, 7, 8) LED LED Reverse Polarity Protection Reverse Polarity Protection Supported for Power Input Overload Current Protection Supported for Power Input Overload Current Protection Supported Power Supply AgWDC (44-57WDC), Redundant power with polarity reverse protect function and removable termins block Poer Funding and the provides 2 redundant power, 4 Pin Operating Humidity Povides 2 redundant power, 4 Pin Operating Humidity Operating Temperature 40°C - 85°C Housing Dimensions 70 x 30 x 103 mm (0 x W x H) Weight 235g (IMC-10015-PH) Installation Din Rail mounting, or wall mounting (Optional) MTBF 16391119 Hours (IMC-10015-PH) Sycaps EMC EMS EMS EMS ENS ENS ENS ENS ENS ENS ENS ENS ENS EN		RJ-45 Socket: CAT.5	ie (10/100/1000Mbps) Twisted F	Pair cable			
POE (Vv): RJ. 45 pin 1, 2. PoE (Vv): RJ. 45 pin 1, 3. 6. Data (1, 2, 3, 6, 4, 5, 7.8) LED IFIDER PORT: INV/ACT: 1001 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network / BLK: Networking is active RJ. 45 ports. INV/ACT: 100100 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network / BLK: Networking is active POE Status(Green): ON: POE normal working / OFF: POE No Power output Reverse Polarity Protection Supported Power Supply Overload Current Protection Supported for Power Input Overload Current Protection Supported Power Supply Bellock POE Power Supply AWDC (44-57VDC), Redundant power with polarity reverse protect function and removable termin: block POBE Power Supply AWDC (44-57VDC), Redundant power with polarity reverse protect function and removable termin: block POPE Power Consumption Input Voltage Total Power Consumption Device Power Consumption POE Budget AWDC 33.4W 3.2W 3.0W 3.0W Removable Terminal Block Provides 2 redundant power, 4 Pin Operating Temperature -20~70°C (IMC: 10015: PHE) Storage Temperature -40°C -85°C Housing Rugged Metal, IP30 Protection and fanless Dimensions 70 x 30 x 103 mm (0 x W x H) Weight 235g (IMC-10015: PHE) Storage Temperature -40°C -85°C Housing Rugged Metal, IP30 Protection and fanless Dimensions 70 x 30 x 103 mm (0 x W x H) Weight 235g (IMC-10015: PHE) Installation DIN Rail mounting, or wall mounting (Optional) MTBF 1,639,119 Hours (IMC-10015: PHE) Warranty 597,294 Hours (IMC-10015: PHE) BMC CE (EN55032, EN55035) EMI EN51000-4-2 (EFT) Level 3, Criteria A EN51000-4-4 (EFT) Level 3, Criteria A EN51000-4-4 (EFT) Level 3, Criteria A EN51000-4-5 (Surge) Level 3, Criteria A EN51000-4-8 (PFMF) Field strength 300A/m Criteria A		Auto MDI/MDI-X and	Auto negotiation Function				
POE (V-): RJ-45 pin 3, 6.		RJ-45 Port supports	s IEEE 802.3at/af End-Span, Alte	ernative A mode			
Data (1, 2, 3, 6, 4, 5, 7, 8)		PoE (V+): RJ-45 pin :	1, 2.				
Fiber Port: LINK/ACT: 100 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network / BLK: Networking is active		PoE (V-): RJ-45 pin 3	3, 6.				
LNK/ACT: 100 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network / BLK: Networking is active R.J-45 port: LNK/ACT: 10/100 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network of BLK: Networking is active Pof Status (Green): ON: Pof: normal working / OFF: Pof. No Power output Reverse Polarity Protection Supported for Power Input Overload Current Protection Supported Supported AWDC (44-57VDC), Redundant power with polarity reverse protect function and removable termins block Poer Power Budget 30W Power Consumption Input Voltage Total Power Consumption Poer Robert Supported ARVDC ARVDC 33.4W 33.4W 3.2W 30W 30W Removable Terminal Block Provides 2 redundant power, 4 Pin Operating Humidity 5%-95% (Non-condensing) Operating Humidity 5%-95% (Non-condensing) Operating Temperature -0-70°C (MC-1001S-PHE) Storage Temperature -40°C - 85°C Housing Rugged Metal, IP30 Protection and fanless Dimensions 70 x 30 x 103 mm (0 x W x H) Weight 235g (IMC-1001S-PH) 240g (IMC-1001S-PH) 240g (IMC-1001S-PH) 319 Hours (IMC-1001S-PH) 319 Hours (IMC-1001S-PH) MILHDBK-217 Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS EMG EN61000-4-3 (RS) Level 3, Criteria B EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-5 (Surgel Level 3, Criteria A EN61000-4-5 (Surgel Level 3, Criteria A EN61000-4-8 (EPMF) Field strength 300A/m Criteria A			7, 8)				
RJ-45 port: LNK/ACT: 10/100 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network BLK: Networking is active POE Status(Green): ON: PoE normal working / OFF: POE No Power output Reverse Polarity Protection Supported for Power Input Overload Current Protection Supported Power Supply 48VDC (44-57VDC), Redundant power with polarity reverse protect function and removable termina block AsyDC 33.4W 3.2W 30W Removable Terminal Block Provides 2 redundant power, 4 Pin Operating Humidity 596-9596 (Non-condensing) Operating Temperature -20-70°C (IMC-1001S-PHE) Storage Temperature -40°C - 85°C Housing Rugged Metal, IP30 Protection and fanless Dimensions 70 x 30 x 103 mm (D x W x H) Weight 235g (IMC-1001S-PH) 240g (IMC-1001S-PH) Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMC ENS5032, EN55035) EMC ENS5032, EN55035) EMC ENS5002, EN55035 EMC EN51000 4-2 (ESD) Level 3, Criteria B E(Electromagnetic EN51000 4-3 (RS) Level 3, Criteria B EN51000 4-4 (EFT) Level 3, Criteria A EN51000 4-5 (Surge) Level 3, Criteria B EN 61000 4-5 (Surge) Level 3, Criteria B EN 61000 4-5 (Surge) Level 3, Criteria B EN 61000 4-8 (EPMF) Field strength 300A/m Criteria A EN51000 4-8 (EPMF) EN5100	LED	LNK/ACT: 100 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network /					
Reverse Polarity Protection ON: PoE normal working / OFF: PoE No Power output Reverse Polarity Protection Overload Current Protection Supported Power Supply 48VDC (44-57VDC), Redundant power with polarity reverse protect function and removable terminable block POE Power Budget One Power Consumption Input Voltage Total Power Consumption Poeice Power Consumption Poeice Power Consumption Poeice Power Consumption Poeice Power Consumption		RJ-45 port: LNK/ACT: 10/100 (Green), 1000 (Amber) ON: Connected to network / OFF: Not connected to network /					
Reverse Polarity Protection Supported Power Supply 48VDC (44-57VDC), Redundant power with polarity reverse protect function and removable terminal block PoE Power Budget 30W Power Consumption Injust Voltage Total Power Consumption Device Power Consumption PoE Budget Removable Terminal Block Provides 2 redundant power, 4 Pin Provides 2 redundant power, 4 Pin Provides 2 redundant power, 4 Pin Operating Humidity 5%-9596 (Non-condensing) Provides 2 redundant power, 4 Pin Operating Temperature 40°C ~ 85°C Provides 2 redundant power, 4 Pin Operating Temperature 40°C ~ 85°C Provides 2 redundant power, 4 Pin Operating Temperature 40°C ~ 85°C Provides 2 redundant power, 4 Pin Operating Temperature 40°C ~ 85°C Provides 2 redundant power, 4 Pin Oberating Temperature 40°C ~ 85°C Provides 2 redundant power, 4 Pin Mediator 203 x03 x03 x03 x03 x03 x03 x03 x03 x03 x		PoE Status(Green):					
Overload Current Protection Power Supply 48VDC (44~57VDC), Redundant power with polarity reverse protect function and removable termins block Poer Power Budget 30W Power Consumption Input Voltage 1 Total Power Consumption Input Voltage 1 Total Power Consumption Input Voltage 1 Total Power Consumption Input Voltage 1 Storage Terminal Block Power Service	Reverse Polarity Protection						
A8VDC (44-57VDC), Redundant power with polarity reverse protect function and removable terminal block Input Voltage			1				
Power Consumption Input Voltage Total Power Consumption Device Power Consumption POE Budget		48VDC (44~57VDC), Redundant power with polarity reverse protect function and removable termina					
May	PoE Power Budget	30W					
Removable Terminal Block Provides 2 redundant power, 4 Pin Operating Humidity 5%~95% (Non-condensing) Operating Temperature -20~70°C (IMC-1001S-PHE) Storage Temperature -40°C ~ 85°C Housing Rugged Metal, IP30 Protection and fanless Dimensions 70 x 30 x 103 mm (D x W x H) Weight 235g (IMC-1001S-PH) 240g (IMC-1001F-PH) Installation DIN Rail mounting, or wall mounting (Optional) MTBF 1,639,119 Hours (IMC-1001S-PH) 997,294 Hours (IMC-1001S-PH) 997,294 Hours (IMC-1001F-PH) MIL-HDBK-217 Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS (Electromagnetic Susceptibility) Frotection Level EN61000-4-2 (ESD) Level 3, Criteria B (Electromagnetic Susceptibility) Frotection Level EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (EFT) Level 3, Criteria B EN61000-4-6 (CS) Level 3, Criteria A EN61000-4-6 (CS) Level 3, Criteria A EN61000-4-6 (ESD) Level 3, Criteria	Power Consumption	Input Voltage	Total Power Consumption	Device Power Consumption	PoE Budget		
Operating Humidity5%-95% (Non-condensing)Operating Temperature-20-70°C (IMC-1001S-PHE)Storage Temperature-40°C ~ 85°CHousingRugged Metal, IP30 Protection and fanlessDimensions70 x 30 x 103 mm (D x Wx H)Weight235g (IMC-1001S-PH) 240g (IMC-1001-PH)InstallationDIN Rail mounting, or wall mounting (Optional)MTBF1,639,119 Hours (IMC-1001S-PH) MIL-HDBK-217Warranty5 yearsCertificationsEMCCE (EN55032, EN55035)EMGEN61000-4-2 (ESD) Level 3, Criteria B(Electromagnetic Susceptibility) 							
Operating Humidity5%-95% (Non-condensing)Operating Temperature-20-70°C (IMC-1001S-PHE)Storage Temperature-40°C ~ 85°CHousingRugged Metal, IP30 Protection and fanlessDimensions70 x 30 x 103 mm (D x Wx H)Weight235g (IMC-1001S-PH) 240g (IMC-1001-PH)InstallationDIN Rail mounting, or wall mounting (Optional)MTBF1,639,119 Hours (IMC-1001S-PH) MIL-HDBK-217Warranty5 yearsCertificationsEMCCE (EN55032, EN55035)EMGEN61000-4-2 (ESD) Level 3, Criteria B(Electromagnetic Susceptibility) Protection LevelEN61000-4-2 (ESD) Level 3, Criteria AEN61000-4-4 (EFT) Level 3, Criteria BEN61000-4-5 (Surge) Level 3, Criteria BEN 61000-4-6 (CS) Level 3, Criteria BEN 61000-4-8 (PFMF) Field strength 300A/m Criteria AShockIEC 60068-2-27FreefallIEC 60068-2-32		48VDC	33.4W	3.2W	30W		
Operating Temperature -20~70°C (IMC-1001S-PHE) Storage Temperature -40°C ~ 85°C Housing Rugged Metal, IP30 Protection and fanless Dimensions 70 x 30 x 103 mm (D x W x H) Weight 235g (IMC-1001S-PH) 240g (IMC-1001PH) Installation DIN Rail mounting, or wall mounting (Optional) MTBF 1,639,119 Hours (IMC-1001S-PH) 997,294 Hours (IMC-1001S-PH) MIL-HDBK-217 Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS EMS EMS EMS EN61000-4-2 (ESD) Level 3, Criteria B (Electromagnetic Susceptibility) Protection Level EN61000-4-5 (Surge) Level 3, Criteria A EN61000-4-5 (CS) Level 3, Criteria B EN 61000-4-5 (CS) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria B EN 61000-4-7 (CS) Level 3, Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A EN 61000-4-8 (PFMF) Field strength 300A/m Criteria A	Removable Terminal Block			3.2W	30W		
Housing Rugged Metal, IP30 Protection and fanless Dimensions 70 x 30 x 103 mm (D x W x H) Weight 235g (IMC-1001S-PH) 240g (IMC-1001-PH) Installation DIN Rail mounting, or wall mounting (Optional) MTBF 1,639,119 Hours (IMC-1001S-PH) 997,294 Hours (IMC-1001-PH) MIL-HDBK-217 Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS (Electromagnetic EN61000-4-2 (ESD) Level 3, Criteria B (Electromagnetic Susceptibility) Protection Level EN 61000-4-3 (RS) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-5 (Surge) Level 3, Criteria A EN 61000-4-8 (PFMF) Field strength 300A/m Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A EN61000-4-8 (EC 60068-2-27 Freefall IEC 60068-2-32		Provides 2 redunda	nt power, 4 Pin	3.2W	30W		
Dimensions 70 x 30 x 103 mm (D x W x H) Weight 235g (IMC-1001S-PH) 240g (IMC-1001S-PH) Installation DIN Rail mounting, or wall mounting (Optional) MTBF 1,639,119 Hours (IMC-1001S-PH) 997,294 Hours (IMC-1001S-PH) MIL-HDBK-217 Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS EN61000-4-2 (ESD) Level 3, Criteria B (Electromagnetic Susceptibility) EN61000-4-3 (RS) Level 3, Criteria A Protection Level EN 61000-4-4 (EFT) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN 61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity	Provides 2 redunda 5%~95% (Non-cond	nt power, 4 Pin densing)	3.2W	30W		
Weight 235g (IMC-10015-PH) 240g (IMC-1001-PH)	Operating Humidity Operating Temperature	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S	nt power, 4 Pin densing)	3.2W	30W		
240g (IMC-1001-PH)	Operating Humidity Operating Temperature Storage Temperature	Provides 2 redunda 5%~95% (Non-conc -20~70°C (IMC-1001S -40°C ~ 85°C	nt power, 4 Pin densing) S-PHE)	3.2W	30W		
MTBF	Operating Humidity Operating Temperature Storage Temperature Housing	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30	nt power, 4 Pin densing) S-PHE) Protection and fanless	3.2W	30W		
997,294 Hours (IMC-1001-PH) MIL-HDBK-217 Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS (Electromagnetic EN61000-4-2 (ESD) Level 3, Criteria B (Electromagnetic EN61000-4-3 (RS) Level 3, Criteria A Susceptibility) Protection Level EN61000-4-5 (Surge) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN 61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H)	3.2W	30W		
Warranty 5 years Certifications EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS EN61000-4-2 (ESD) Level 3, Criteria B (Electromagnetic Susceptibility) EN61000-4-3 (RS) Level 3, Criteria A Protection Level EN61000-4-4 (EFT) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN 61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting,	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional)	3.2W	30W		
EMC CE (EN55032, EN55035) EMI FCC Part 15 Subpart B Class A, CE EMS EN61000-4-2 (ESD) Level 3, Criteria B (Electromagnetic Susceptibility) EN61000-4-3 (RS) Level 3, Criteria A Protection Level EN61000-4-4 (EFT) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN 61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001S-PH) 997,294 Hours (IMC-1001S-PH)	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH)	3.2W	30W		
EMI FCC Part 15 Subpart B Class A, CE EMS (Electromagnetic Susceptibility) Protection Level EN 61000-4-2 (ESD) Level 3, Criteria A EN 61000-4-3 (RS) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN 61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001-PH) MIL-HDBK-217	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH)	3.2W	30W		
EMS (Electromagnetic Susceptibility) Protection Level EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (EFT) Level 3, Criteria A EN61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-5 (CS) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001-PH) MIL-HDBK-217	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH)	3.2W	30W		
(Electromagnetic Susceptibility) Protection Level EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (EFT) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001) 997,294 Hours (IMC-1001) MIL-HDBK-217 5 years	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) H) or wall mounting (Optional) C-1001S-PH) -1001-PH)	3.2W	30W		
Susceptibility) EN61000-4-4 (EFT) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001-PH) MIL-HDBK-217 5 years	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) 1001-PH)	3.2W	30W		
Protection Level EN61000-4-4 (EFT) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH)) DIN Rail mounting, 1,639,119 Hours (IMC-101S-PH) 997,294 Hours (IMC-10S-PH) 5 years CE (EN55032, EN550) FCC Part 15 Subpar	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) -1001-PH) 035) t B Class A, CE	3.2W	30W		
EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS (Electromagnetic	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001-PH) 997,294 Hours (IMC-1001-PH) 5 years CE (EN55032, EN550 FCC Part 15 Subpar EN61000-4-2 (ESD)	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) -1001-PH) 035) t B Class A, CE Level 3, Criteria B	3.2W	30W		
EN61000-4-8 (PFMF) Field strength 300A/m Criteria A Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS (Electromagnetic Susceptibility)	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC- MIL-HDBK-217 5 years CE (EN55032, EN550 FCC Part 15 Subpar EN61000-4-2 (ESD) (EN61000-4-3 (RS)) Le EN61000-4-4 (EFT)	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) 1001-PH) D35) t B Class A, CE Level 3, Criteria B evel 3, Criteria A Level 3, Criteria A	3.2W	30W		
Shock IEC 60068-2-27 Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS (Electromagnetic Susceptibility)	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001s -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001s-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001-PH) 5 years CE (EN55032, EN550 FCC Part 15 Subpar EN61000-4-2 (ESD) EN61000-4-3 (RS) Le EN61000-4-5 (Surge	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) 1001-PH) D35) t B Class A, CE Level 3, Criteria B evel 3, Criteria A Level 3, Criteria A le) Level 3, Criteria B	3.2W	30W		
Freefall IEC 60068-2-32	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS (Electromagnetic Susceptibility)	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, I 1,639,119 Hours (IMC- MIL-HDBK-217 5 years CE (EN55032, EN550 FCC Part 15 Subpar EN61000-4-2 (ESD) I EN61000-4-3 (RS) Le EN61000-4-5 (Surge EN 61000-4-6 (CS) L	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) 1001-PH) D35) t B Class A, CE Level 3, Criteria B evel 3, Criteria A Level 3, Criteria A e) Level 3, Criteria A evel 3, Criteria A		30W		
124 4444 2 42	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS (Electromagnetic Susceptibility) Protection Level	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-10015 -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-10015-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC-1001-PH) 5 years CE (EN55032, EN550 FCC Part 15 Subpar EN61000-4-2 (ESD) I EN61000-4-3 (RS) Le EN61000-4-5 (Surge EN 61000-4-6 (CS) L EN61000-4-8 (PFMF	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) 1001-PH) D35) t B Class A, CE Level 3, Criteria B evel 3, Criteria A Level 3, Criteria A e) Level 3, Criteria A evel 3, Criteria A		30W		
Vibration IEC 60068-2-6	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS (Electromagnetic Susceptibility) Protection Level	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC- MIL-HDBK-217 5 years CE (EN55032, EN550 FCC Part 15 Subpar EN61000-4-2 (ESD) I EN61000-4-3 (RS) Le EN61000-4-5 (Surge EN 61000-4-6 (CS) L EN61000-4-8 (PFMF IEC 60068-2-27	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) 1001-PH) D35) t B Class A, CE Level 3, Criteria B evel 3, Criteria A Level 3, Criteria A e) Level 3, Criteria A evel 3, Criteria A		30W		
	Operating Humidity Operating Temperature Storage Temperature Housing Dimensions Weight Installation MTBF Warranty Certifications EMC EMI EMS (Electromagnetic Susceptibility) Protection Level Shock Freefall	Provides 2 redunda 5%~95% (Non-cond -20~70°C (IMC-1001S -40°C ~ 85°C Rugged Metal, IP30 70 x 30 x 103 mm (D 235g (IMC-1001S-PH 240g (IMC-1001-PH) DIN Rail mounting, 1,639,119 Hours (IMC- MIL-HDBK-217 5 years CE (EN55032, EN550 FCC Part 15 Subpar EN61000-4-2 (ESD) I EN61000-4-3 (RS) Le EN61000-4-5 (Surge EN 61000-4-6 (CS) L EN61000-4-8 (PFMF IEC 60068-2-32	nt power, 4 Pin densing) S-PHE) Protection and fanless x W x H) d) or wall mounting (Optional) C-1001S-PH) 1001-PH) D35) t B Class A, CE Level 3, Criteria B evel 3, Criteria A Level 3, Criteria A e) Level 3, Criteria A evel 3, Criteria A		30W		

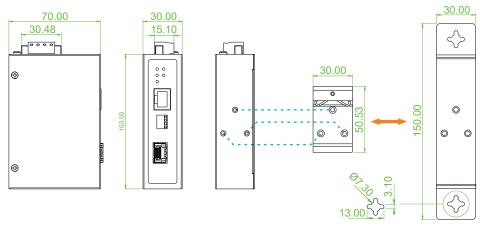


Industrial GbE PoE Media Converter



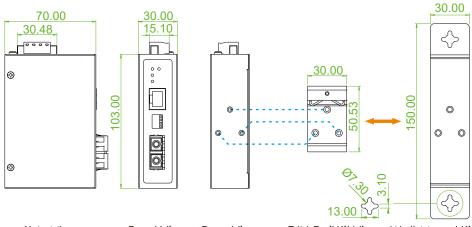
Dimensions





Side View Front View Rear View DIN-Rail Kit View Wall-Mount Kit View (Optional Accessory)





Side View

Front View Rear View

DIN-Rail Kit View Wall-Mount Kit View (Optional Accessory)

Ordering Information

	RJ45		PoE		Power Input	Certification		
Model Name	10/100/1000 Base-T	Fiber	IEEE 802.3at (PSE)	Power Budget	Redundant	CE	FCC	Operating Temperature
IMC-1001S-PHE	1	100/1G SFP	1	30W	48VDC	V	V	-20~70°C
IMC-1001-PHE	1	1G SC/ST	1	30W	48VDC	V	V	-20~70°C

Connector Type	Connectivity Distance	
SC (IMC-1001-PH)	001:500M (M/M) 002:2km (M/M) 020:20km (S/M) 040:40km (S/M)	
	020A: WDM 20km A type (TX:1310nm)	
	020B: WDM 20km B type (TX: 1550nm)type	

Optional Accessories

■ Wall Mount Kit

IND-WMK03 Wall Mount kit for Industrial product (Compact, 150 x 30mm)

■ Industrial SFP Transceiver

The ISFP series of industrial grade SFP modules have been fully tested with all CTC Union industrial grade Ethernet switches for guaranteed compatibility and performance. Best performance can be guaranteed, even in mission-critical applications. (Please see CTC Union's Industrial SFP datasheets for more items and detailed information.)

ISFP-M7000-85-D(E)	Industrial SFP GbE 1000Base-SX, M/M, 500 meter,wave length 850nm, 7.5dB, LC, DDMI, -10~70°C (-40~85°C)
ISFP-S7020-31-D(E)	Industrial SFP 1000Base-LX, S/M, 20km, wave length 1310nm, 15dB, LC, DDMI, -10~70°C(-40~85°C)
ISFP-T7T00-00-(E)	Industrial SFP 10/100/1000Base-T UTP 100meter, -10~70°C (-40~85°C)
ISFP-M5002-31-D(E)	Industrial SFP 155M 100Base-FX, MM, 2km, wave length 1310nm, 12dB, LC, DDMI, -10~70°C (-40~85°C)
ISFP-S5030-31-D(E)	Industrial SFP 155M 100Base-FX SM, 30km, 1310nm, 19dB, LC, DDML-10~70°C (-40~85°C)

■ Industrial Power Supply

MDR-40-48 Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 48VDC, 40W, -20 ~ +70°C

