

IMC-661P

Industrial Unmanaged PoE Plus Ethernet Media Converter

1-port IEEE 802.3af PoE Plus + 1-slot 100FX/Gigabit SFP



RoHS **CE** **FC**



Description

The IMC-661P Unmanaged Industrial PoE+ Media Converter is specifically engineered to offer an affordable solution for outdoor surveillance systems. Built to withstand wide operating temperature from -40°C to 75°C, the media converter can operate consistently even in harsh industrial environments. The IMC-661P features intelligent functions like Auto MDI/MDIX, LFS (Link Fault Signalling), LLB (Line Loopback), LEDs, DIP switches etc. to provide easy plug-and-play, continuous monitoring thereby minimizing downtime for mission-critical networks.

Featuring 1-10/100/1000Mbps PSE copper port, the IMC-661P media converter provides power up to 30W per port to IEEE 802.3af/at compliant powered devices such as IP cameras, wireless access points and access control devices. Equipped with one multi-rate 100/1000Mbps SFP slot, the media converter offers fiber advantages of secure data transmissions over long distances to mission-critical networks. IMC-661P provides maximum bandwidth flexibility and extended connectivity for workgroups that are ready to expand and migrate from existing fast Ethernet network to gigabit network.

Features Highlight

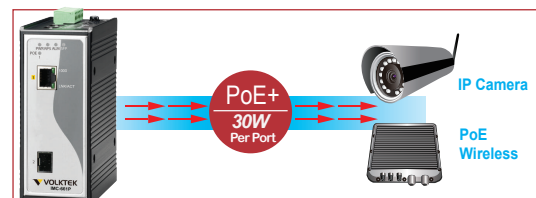
Robust Performance

With an industrial aluminum housing case, IP30, surge and ESD protection, the IMC-661P provides a high level of immunity against electromagnetic interference and heavy electrical surges, thus facilitating easy deployment in demanding environments. In addition, the IMC-661P offers high performance switch architecture with one 10/100/1000Base-T PSE port and one 100FX/Gigabit Ethernet SFP slot to meet the requirements of high-bandwidth access in extreme operating temperatures.



High-Power Budget for PoE Network Devices

The IMC-661P media converter is capable of delivering power up to 30W per port to both IEEE 802.3af PoE and IEEE 802.3at PoE+ compliant powered devices. Thereby, powered devices located in both indoor and remote outdoor locations can be powered without installing additional power outlets or cabling significantly reducing your CAPEX.

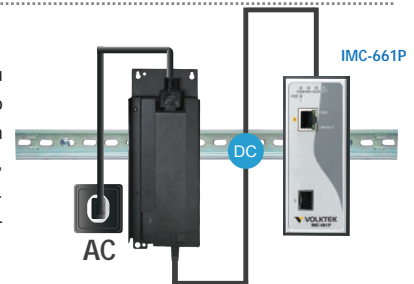


Fault-tolerant and User-friendly Monitoring

Network administrators can now easily monitor and troubleshoot issues associated with device functionality and link activity using the advanced features of IMC-661P. LFS (Link Fault Signalling) enables you to easily detect optical signal strengths and faulty links on both copper and fiber ports. And LLB (Line look back) allows you to remotely isolate and localize network problems, thereby significantly minimizing network downtime. In addition, the LEDs on the device convey essential diagnostic and status information of device power, link activity on ports etc. allowing you to easily monitor without having to get into tight spaces.

DIN-Rail-mounted Power Adapter (AC to DC) & 6-pin Terminal Block

The IMC-661P is an ideal solution to prevent the failure of single power circuit, in which provides you power redundant options to facilitate the high power PoE+ usage. Either "DIN-Rail Power Adapter" to convert AC to DC for board operation in an easy and firm installation with hardened connection or "6-pin Terminal Block" which supports primary and secondary power input. Categorized by its compact design, DIN-Rail Power Adapter can easily fit in smaller infrastructures and is extremely simple to install. Saving you time and space, this adapter can be easily DIN-Rail-mounted next to IMC-661P in surveillance applications that have little space available.

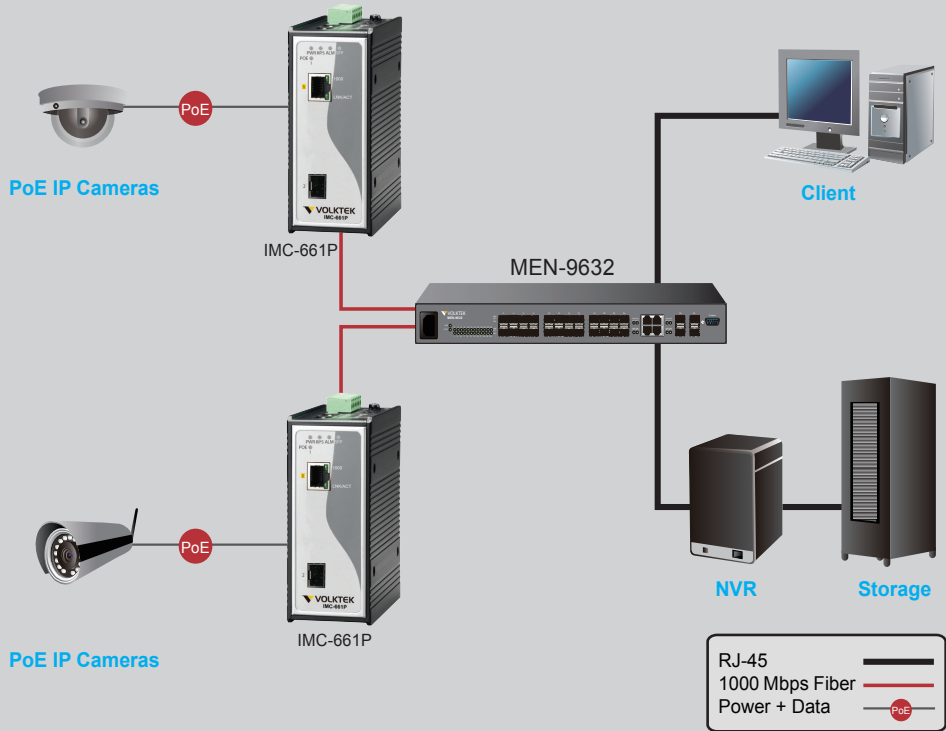
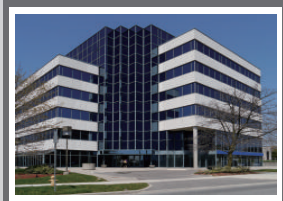
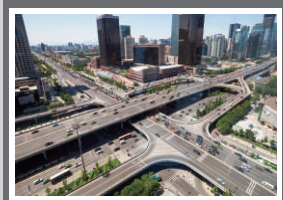


Easy Plug-and-play Operation

Being compact in size, IMC-661P media converter is an easy-to-setup and ready-to-use solution for surveillance systems. Featuring Auto-MDI/MDIX and Auto-negotiation, the media converter automatically detects and configures the best mode of operation over a link. This eliminates the need for user setup or configuration procedure and simplifies installation, once installed these media converters operate automatically.

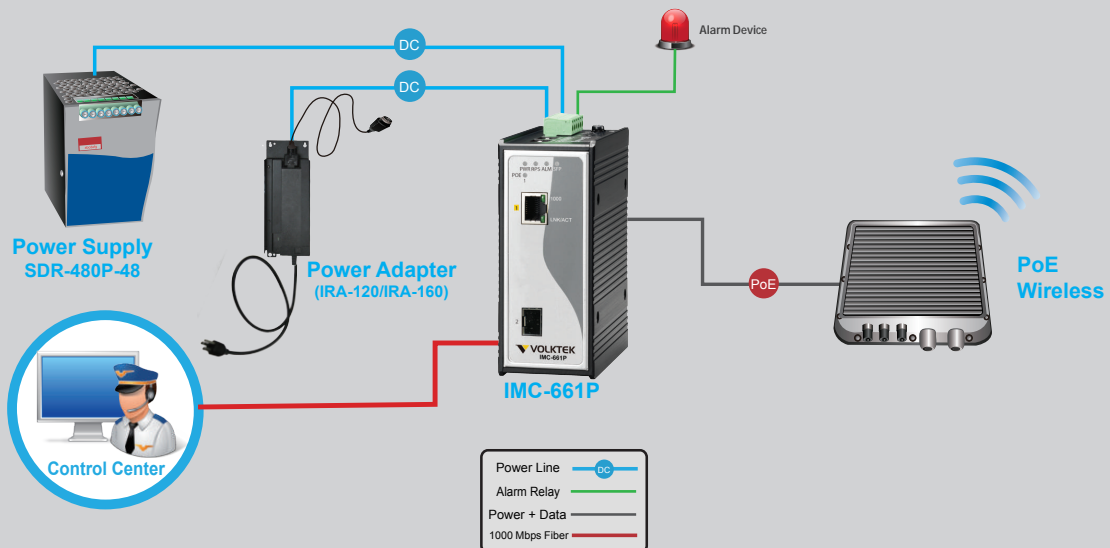
Surveillance Applications

The IMC-661P combines high-power PoE+, robust performance for surveillance systems in harsh industrial environments. With its compact size, highly reliable and secure features ensure continuous operations in some special requirements for transportation, factory and outdoor places where high vibration degree, shock and wide range temperatures are present.



Applications

The IMC-661P is compatible with 10/100/1000Mbps through RJ45 transceivers to guarantee a strong, stable connection of Ethernet, Fast Ethernet or Gigabit Ethernet, providing flexible deployment options to satisfy industrial networking requirements



Specifications

Standards	
IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX/FX
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-SX/LX
IEEE 802.3x	Flow Control
IEEE 802.3af	PoE
IEEE 802.3at	PoE plus
IEEE 802.3az	Energy Efficient Ethernet
Performance	
Fabric	4Gbps
Packet buffer	1Mbit
MAC table size	8K
Jumbo Frame size	10K
Power	
Input Voltage	Primary: 48V (48~57V DC) Redundant: 48V (48~57V DC)
Power Connection	4-pin DC-Jack (Primary Power Input) 6-pin Terminal block (Primary/Redundant Power Input)
Power Input Polarity Protection	Present
Power Voltage Drop Alarm	Primary/Redundant Power Input
Alarm Relay	One relay output with current carrying capacity of 1A @ 24V DC
Power Consumption	40W (with 1 PoE plus fully loaded)
ESD Protection	8KV/15KV (Contact/Air)
Surge Protection	6KV (Line-to-Ground)
PoE+ Functions	
PoE+ Functions	IEEE 802.3at powered devices Supports PoE Power up to 30W for each PoE port Auto detect powered devices (PDs) Remote Power feeding up to 100m
Interface	
Ports	1 x 100FX/Gigabit SFP slot 1 x 10/100/1000Base-T (PSE)
Device Monitoring & Management	
Device Monitoring	LFS (Link Fault Signalling)
Device Management	LLB (Line Loopback)
Security	Port Isolation
DIP Switch	Primary/Redundant Power Voltage Drop Alarm setting

*Industrial SFP with wide operating temperature (-40°C~85°C) is available upon request
*Specifications subject to change without notice.

Mechanical and Environment		
Housing	Aluminum Case (IP30 protection)	
Mounting	DIN-Rail	
Operating Temperature	-40°C~75°C	
Storage Temperature	-40°C~85°C	
Operating Humidity	10 to 95% RH (non-condensing)	
Storage Humidity	5 to 95% RH (non-condensing)	
Weight	TBD	
Dimension (WxHxD)	50x120x100 mm (1.97x4.72x3.94 inch)	
LED Panel	PWR, RPS, ALM, SFP slot, PoE port, 1000, LNK/ACT	
Standards and Certifications		
Safety	EN60950	
FCC	Part 15 Subpart B Class A	
CE	EMI	EN55022 class A EN 55024 IEC/EN 61000-4-2 (ESD): Level 3 IEC/EN 61000-4-3 (RS): Level 3 IEC/EN 61000-4-4 (EFT): Level 3 IEC/EN 61000-4-5 (Surge): Level 3 IEC/EN 61000-4-6 (CS): Level 3 IEC/EN 61000-4-8 (PFMF): Level 3
	EMS	
Approval & Test		
Shock	IEC 60068-2-27 (Processing)	
Freefall	IEC 60068-2-32 (Processing)	
Vibration	IEC 60068-2-6 (Processing)	
Ordering Information		
IMC-661P	1-port 10/100/1000BASE-T + 1-slot 100FX/Gigabit SFP, Unmanaged Industrial PoE Media Converter	
Optional Accessories		
Power Supply	SDR-480P-48: 480W DIN-Rail 48V DC Industrial Power Supply, -25°C~70°C	
Power Adapter	IRA-120: 120W, 52V, Industrial Grade Power Adapter (-30°C~60°C for 110V AC input / -30°C~70°C for 220V AC input)	
	IRA-160: 160W, 52V, Industrial Grade Power Adapter (-30°C~60°C for 110V AC input / -30°C~70°C for 220V AC input)	
DIN Rail/Wall Mount Holder	DR-120 (for IRA-120) / DR-160 (for IRA-160)	
MEN-9632	Managed 24-slot 100FX/GbE SFP, 4G Combo Aggregation Switch	
FPM-107	100Base-FX Multi-mode SFP, 2Km	
FPM-107-30	100Base-FX Single mode SFP, 30Km	
GBM-132	100Base-FX Bi-di Single Mode SFP Module, 20Km	
GBM-104	1000Base-SX 1.25G, Multi-mode SFP, 500m	
GBM-104-2	1000Base-SX 1.25G, Multi-mode, 3.3V, 1310nm, 2Km	
GBM-104-10	1000Base-LX 1.25G, Single mode SFP, 10Km	
GBM-123	1000Base-LX Bi-di Single Mode SFP Module, 10Km	

Dimension

