Industrial Ethernet Beyond 100 Metres

Remote Manageable Gigabit Converter Solution

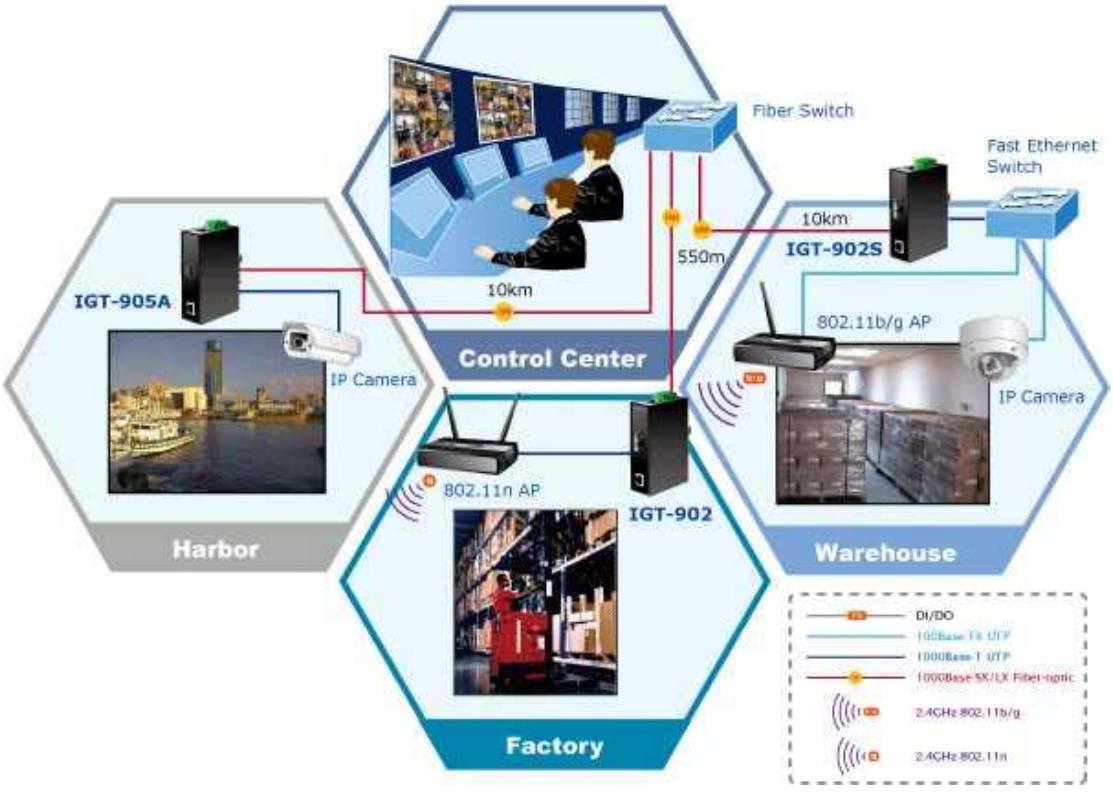
IGT-902

10M/100M 1000M | WEB Management | 802.1Q VLAN | Redundant Power | IP Code 30 | DIN Rail | Wall mountable

Key Features

- **Built-in IP-based Web Interface and SNMP v1 / v2c for remote management**
- **Supports IEEE 802.1Q Tagged based VLAN**
- **12V to 48V DC, Redundant Power with polarity reverse protect function**
- **-10 to 60 Degree C operational temperature**
- **IP-30metal case / DIN-Rail and Wall-mountable design**

The IGT-902 Industrial Gigabit media converter provides a high level of immunity to electromagnetic interference and heavy electrical surges. With an operating temperature range from -10 to 60 Degree C and a robust IP-30 metal enclosure the IGT-90 is an ideal solution for providing Ethernet access in difficult environments, for example traffic control systems in roadside cabinets.
The IGT-902 efficiently converts data between 10/100/1000Base-T Copper and 1000Base-SX / LX Fibre networks and includes SC / SFP connectors for single-mode or multi-mode Fibre as required. The Ethernet signal allows the above two types of segments to connect with each other easily, efficiently and inexpensively. The IGT-902 has built-in remote Web / SNMP management features to provide easy-to-use and platform-independent management and configuration features.



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IGT-902 Media Converter Specification

Model	IGT-90X
Hardware Specification	
Copper Interface	1 x 10/100/1000Base-T RJ-45 Auto-MDI/MDI-X port
Optic Interface	IGT-902: SC
Optical Mode	IGT-902: Multi-mode, IGT-902S: Single Mode
Optic Wavelength	IGT-902: 850nm, IGT-902S: 1310nm
Launch Power (dBm)	**MAX.** IGT-902: -4 dBm, IGT-902S: -3 dBm **Min.** IGT-902: -9.5 dBm, IGT-902S: -9.5dBm
Receive Sensitivity	IGT-902: -13.5 dBm, IGT-902S: -14.4 dBm
Maximum Input power	IGT-902: -18 dBm, IGT-902S: -20 dBm
Speed	**Twisted-pair** 10/20Mbps for Half / Full-Duplex, 100/200Mbps for Half / Full Duplex 2000Mbps for Full-Duplex **Fibre-optic** 2000Mbps for Full-Duplex
Cable	**Twisted-pair** 10Base-T: 2-pair UTP Cat. 3,4,5, up to 100 m, 100Base-TX: 2-pair UTP Cat. 5, up to 100 m 1000Base-T: 4-pair STP Cat 5,6 up to 100m **Optic-optic Cable** • 50/125µm or 62.5/125µm multi-mode fibre cable, up to 220/550m. • 9/125µm single-mode cable, provides long distance for 10/15/20/30/40/50/60/70/120km (vary on fibre transceiver or SFP module)
LED indicator	• Power: P1, P2, Fault • TP: LNK/ACT, 1000 • Fibre: LNK/ACT
Power Input	DC 12V to 48V Redundant power with polarity reverse protection function
Power Consumption	7.9 Watts/ 27 BTU (maximum)
Operating Environment	Temperature: -10~60 Degree C, Humidity: 5~90% non-condensing
Storage Environment	Temperature: -20~75 Degree C, Humidity: 5~90% non-condensing
Dimension (W x D x H)	135 x 85 x 32 mm
Weight	423g
Installation	DIN rail kit and wall mount ear
Management and Layer 2 Features	
Management Interface	WEB / SNMP v1, v2c
Port Configuration	Port disable/enable Auto-negotiation 10/100/1000Mbps Full and Half duplex mode selection. Flow Control disable / enable. Bandwidth control on each port.
VLAN	IEEE 802.1q Tagged Based VLAN, 4K VLAN ID, up to 16 VLAN groups Q-in-Q VLAN
QoS	Traffic classification based on: • 802.1p priority, • IP DSCP field in IP Packet, • IP Address
Bandwidth Control	Ingress / Egress bandwidth control • Rate range: 512kbps to 500Mbps Storm control • Broadcast / Multicast / Unknown Unicast packet
Standard Conformance	
Emissions	FCC Class A, CE Class A
Standard	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX / 100BASE-FX IEEE 802.3z 1000BASE-SX/LX, IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control and Back pressure, IEEE 802.1p Class of service IEEE 802.1Q VLAN Tagging, IEEE 802.3ah OAM
Stability	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)