



All-New Flat-type Ethernet

Perfect IP Network Deployment for Buildings and Factories



Dual Power Input



Flat Design



DIN-rail Installation



Power over Ethernet



Fiber Connection



Magnetic Installation



Front Access



Wireless Connection

ITU-T G.8032 ERPS

PLANET Industrial Ethernet switch series supports redundant ring technology and features strong, rapid self-recovery capability to prevent interruptions and external intrusions. It incorporates advanced ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) technology, Spanning Tree Protocol (802.1s MSTP), and redundant power input system into customer's industrial automation network to enhance system reliability and uptime in harsh environments.



Weatherproof Designs

For any hardened environments, PLANET Industrial Ethernet Solution integrated with weatherproof design enables to cause the network to have stable transmission even under the temperature from -40°C to 75°C. In addition, it is IP67-rated for waterproof and dustproof features, and has 20kV lightning surge protection

IEEE 1588 Time Protocol for Industrial Computing Networks

The IGS-20040MT is intended for telecom and carrier Ethernet applications, supporting MEF service delivery and timing over packet solutions for IEEE 1588 and synchronous Ethernet.



IEEE 1588



Environmentally Friendly and Intelligent PoE Design

PLANET industrial PoE Solution includes switches, converters, extenders and wireless access points, compliant with standard IEEE 802.3af and IEEE 802.3at and able to transmit data and power simultaneously at the distance up to 100 meters. PLANET Managed PoE Switch features many intelligent PoE functions to enhance the efficient management of powered devices in the hardened network.

Industry-leading Integration of PoE Technology and Solar Power System

To fulfill the increasing demand of network installation in remote area, PLANET develops Industrial Solar Power PoE Switch that utilizes the zero-carbon emission source -- the sunlight, and incorporates the high power PoE technology to enable network deployment anywhere without any obstacles of geographical barrier.



Layer 3 and Layer 2 Industrial Full Gigabit Managed Switches

PLANET Industrial Ethernet Switches are industrially hardened to be specially designed to operate reliably in electrically harsh and climatically demanding environment. PLANET Layer 3 and Layer 2 Industrial Managed Switches, with model names starting with IGS or IGSW, include Managed Switches, Unmanaged Switches and PoE Switches. They all support full Gigabit port. The capital 'T' means that it can support and operate under wide-ranging temperature from -40 to 75 degrees C.

Redundant Ring and Fast Recovery for Surveillance System

The IGS series supports redundant ring technology and features strong, rapid self-recovery capability to prevent interruptions and external intrusions. It incorporates advanced ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) technology, Spanning Tree Protocol (802.1s MSTP), and redundant power input system into customer's industrial automation network to enhance system reliability and uptime in harsh factory environments. In certain simple ring network, the recovery time of data link can be as fast as 20 ms.

IGS-6330-24T4S

- 24-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IP routing protocols: static routing, RIPv1/v2, OSPFv2 and VRRP
- IPv4 Web, Telnet and SNMP management
- IEEE 802.1Q VLAN, Q-in-Q and Protocol-based VLAN
- IEEE 802.1D/1w/1s Spanning Tree Protocol
- 19-inch, 1U rack-mount



IGS-5225-20T4C2X

- 24-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- 2-port 1/10GBASE-X SFP+
- IPv4 and IPv6 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- DI and DO supported
- 19-inch, 1U rack-mount
- 100~240V AC and 36~60V DC redundant power system



IGSW-24040T

- 24-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- DI/DO supported
- E.R.P.S ring supported
- 19-inch, 1U rack-mount
- 100~240V AC and 36~60V DC redundant power system



IGS-5225-16T4S

- 16-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- DI/DO supported
- E.R.P.S ring supported
- 19-inch, 1U rack-mount
- 100~240V AC and 36~60V DC redundant power system



IGS-20040MT

- 16-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- DI and DO supported



IGS-12040MT

- 8-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP Snooping
- E.R.P.S ring supported
- Static route supported
- DI and DO supported



IGS-10020MT

- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported



IGS-10080MFT

- 8-port 100/1000BASE-X SFP
- 2-port 10/100/1000BASE-T
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported



IGS-801M

- 8-port 10/100/1000BASE-T
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP Snooping
- Loop protection



Layer 2 Industrial Full Gigabit Switches

After PLANET IGS Gigabit Ethernet Switch series has become popular, PLANET began to release the advanced industrial hardened Fast Ethernet Switch series with slim type, IP30 metal case. The compact IP30 standard metal case allows either DIN rail or wall mounting for efficient use of cabinet space. The capital 'T' means that it can support and operate under wide-ranging temperature from -40 to 75 degrees C.

The Layer 2 Industrial Switch series incorporates redundant power supply system into customer's industrial automation network to enhance system reliability and uptime in the factory harsh environments. It protects customer's industrial network connectivity with power redundant ability. They provide IP30 aluminum case and 100BASE-FX port or Gigabit TP/SFP SFP combo interfaces for long-distance uplink.

IGS-501T

- 5-port 10/100/1000BASE-T
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case



IGS-801T

- 8-port 10/100/1000BASE-T
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case



IGS-620TF

- 4-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP (DIP control)
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case
- Dual SFP ports with auto link redundancy via DIP selection



IGT-1205AT

- 1-port 10/100/1000BASE-T
- 2 x SFP interfaces compatible with 100FX/1000SX/LX (DIP control)
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case
- Dual SFP ports with auto link redundancy via DIP selection



Layer 2 Industrial Fast Ethernet Switches

ISW-501T

- 5-port 10/100BASE-TX
- -40 to 75 degrees C operating temperature
- IP30 metal case



ISW-801T

- 8-port 10/100BASE-TX
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-511T/ISW-511TS15

- 4-port 10/100BASE-TX
- 1-port 100BASE-FX
- Supports multi-mode fiber, 2km/15km distance
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-621T/ISW-621TS15

- 4-port 10/100BASE-TX
- 2-port 100BASE-FX
- Supports multi-mode fiber, 2km/15km distance
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-621TF

- 4-port 10/100BASE-TX
- 2-port 100BASE-FX SFP slot
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-800T-M12

- 8-port 10/100BASE-TX
- Industrial protected IP67 metal case
- Robust M12 Ethernet connector
- Waterproof and dustproof
- -40 to 75 degrees C wide operating temperature



Layer 2 Industrial Full Gigabit Managed PoE Switches

PLANET industrial PoE switch series in-line power follows standard IEEE 802.3af or IEEE 802.3at and is able to give power to PoE compliant devices at the distance up to 100 meters through the 4-pair Cat5/5e UTP wire. With data and Power over Ethernet from one unit, the industrial PoE series can reduce cable deployment and eliminate the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. A wire that carries both data and power lowers the installation costs, simplifies the installation effort and eliminates the need for electricians or extension cords.

IGS-5225-24P4S

- 24-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port shared 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported
- 19-inch, 1U rack-mount



IGS-20160HPT

- 16-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported



IGS-10020HPT

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported



IGS-10020PT

- 8-port 10/100/1000BASE-T with 802.3af PoE
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported



IGS-5225-4UP1T2S

- 4-port 10/100/1000BASE-T with 60W/802.3at PoE
- 1-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported



WGS-804HP

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- -10 to 60 degrees C wide operating temperature
- 48~56V DC redundant power
- Compact size, wall-mounted, magnetic wall mount and DIN-rail design
- LED indicators for PoE usage and status



IGS-4215-4P4T2S

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- -40 to 75 degrees C wide operating temperature



IGS-4215-4P4T

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- -40 to 75 degrees C wide operating temperature



LRP-422CST

- 4-port BNC with passive PoE PSE
- 2-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- -40 to 75 degrees C wide operating temperature



Layer 2 Industrial Managed PoE Switches

ISW-504PS

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 10/100BASE-TX
- -10 to 60 degrees C operating temperature
- IP30 metal case



ISW-514PS

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX multi-mode fiber optic, 2km
- -10 to 60 degrees C operating temperature
- IP30 metal case



ISW-514PS15

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX single mode fiber optic, 15km
- -10 to 60 degrees C operating temperature
- IP30 metal case



ISW-514PSF

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX SFP slot
- -10 to 60 degrees C operating temperature
- IP30 metal case



Layer 2 Industrial Weatherproof PoE Switches/Extenders

PLANET Layer 2 Industrial Weatherproof PoE Switches/Extenders can operate stably even in an environment full of high vibrations and shocks or when it is immersed one meter under water for it is uniquely equipped with waterproof/dustproof RJ45 or M12 connectors, rugged IP67 aluminum case to transmit data in Gigabit speed, and high power PoE in wide temperature range from -40 to 75 degrees C.

ISW-804PT-M12

- 8-port 10/100BASE-TX with 802.3af PoE
- Industrial protected IP67 metal case
- Robust M12 Ethernet connector
- -40 to 75 degrees C wide operating temperature



IGS-604HPT-RJ

- IP67 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 10/100/1000BASE-T
- PD alive check, scheduled power recycling and time-based PoE schedule
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature



IPOE-E202

- IP65 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 10/100/1000BASE-T "Data + Power" Input x 1 Shielded RJ45 Port
- 10/100/1000BASE-T "Data + Power" Output x 2 Shielded RJ45 Ports
- Complies with IEEE 802.3at Power over Ethernet Mid-Span
- Max. total PoE budget up to 25 watts
- -40 to 75 degrees C operating temperature
- Extends Cat.5 cable installations to beyond 100 meters



Layer 2 Industrial PoE Switches

PLANET industrial PoE switch series in-line power follows standard IEEE 802.3af and is able to give power to PoE compliant devices at the distance up to 100 meters through the 4-pair CAT5/5e UTP wire.

As un-managed industrial PoE switch offers very easy-to-use Power over Ethernet function, customer just needs to connect their PoE device to un-managed industrial PoE switch, and just plug and play.

ISW-504PT

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 10/100BASE-TX
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-514PT/ISW-514PT15

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX multi-mode fiber optic, 2km (ISW-514PT)
- 1-port 100BASE-FX single-mode fiber optic, 15km (ISW-514PT15)
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-514PTF

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX SFP slot
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IGS-504HPT

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 10/100/1000BASE-T
- Smart PoE power usage LED indicator
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IGS-624HPT

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP (DIP Control)
- Dual SFP Ports Auto Link Redundant Mode supported
- Smart PoE power usage LED indicator
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IPOE-E174

- Forwards both Ethernet data and in-line power to 4 remote devices
- 1-port ultra Power over Ethernet PD
- 4-port IEEE 802.3af/at Power over Ethernet/end-span PSE
- Supports PoE output power up to 30.8 watts for each PoE port
- Extends the range of PoE for an additional 100 meters (328ft.)
- -40 to 75 degrees C wide operating temperature
- No external power cable required for installation
- Plug and Play, no software required



BSP-300

- 2-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 10/100/1000BASE-T
- 1 24V DC power output terminal block
- -20~60 degrees C wide operating temperature
- Integrated with solar PV and battery for easy installation



BSP-360

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 10/100/1000BASE-T
- 1-port 100/1000BASE-X SFP
- 1 24V DC power output terminal block
- -20~60 degrees C wide operating temperature
- Integrated with solar PV and battery for easy installation
- Web interface for remote management



Layer 2 Industrial Flat-type Managed Ethernet Switches

WGS-4215-8T

- 8-port 10/100/1000BASE-T
- -40 to 75 degrees C wide operating temperature
- 24V AC and 12~48V DC redundant power
- Compact size, wall-mounted, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping



WGS-4215-8T2S

- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- -40 to 75 degrees C wide operating temperature
- 24V AC and 12~48V DC redundant power
- Compact size, wall-mounted, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping



WGS-804HPT

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- -40 to 75 degrees C wide operating temperature
- 48~56V DC redundant power
- Compact size, wall-mounted, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- LED indicators for PoE usage and status



Layer 2 Industrial Flat-type Unmanaged Ethernet Switches

WGS-803

- 8-port 10/100/1000BASE-T
- -10 to 60 degrees C wide operating temperature
- 24V AC and 12~48V DC redundant power
- Compact size, wall-mounted, magnetic wall mount and DIN-rail design



WGS-804HP

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- -10 to 60 degrees C wide operating temperature
- 48~56V DC redundant power
- Compact size, wall-mounted, magnetic wall mount and DIN-rail design
- LED indicators for PoE usage and status



Industrial Flat-type Wireless Access Point

WDAP-W7200AC

1200Mbps 802.11ac Wireless AP

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet port, 802.3at PoE/PD supported
- Supports 10 multiple-SSIDs
- Multiple operation modes: AP, Client, WDS, Universal Repeater
- Supports AP controller for wirelessly centralized management



Industrial Wireless Access Points

For a robust wireless access, PLANET IAP-200x Access Point series brings the new choice. The IAP-200x series comes with Industrial grade 802.11n wireless interface for up to 300Mbps wireless performance that adopts the 802.11n MIMO technology. The IAP-200x Access Point series supporting multiple operating modes from Access Point, AP Client, Bridge and WDS bridge makes the wireless connection in accordance with your demand. Being an Industrial-grade Wireless Access Point, the IAP-200x series makes the wireless connection in any environment.

With 4 10/100Mbps Fast Ethernet interfaces, and one additional 100BASE-FX fiber-optic interface, the IAP-200x provides plug and play and reliable data link for long-distance connectivity. And what's more, it features the PoE (Power over Ethernet) capability. The Access Point, model IAP-200xPS, also has 4 built-in IEEE 802.3af PSE (Power Source Equipment) that helps to drive up to 4 PoE IP cameras, and IP telephony for applications like traffic monitoring and factory VoIP communication.

IAP-2000PE

- Complies with IEEE 802.11n, WLAN speed 300Mbps
- 2 x 5dBi detachable omni-directional antenna
- IPv4 and IPv6 Web management
- -10 to 60 degrees C operating temperature
- IP30 metal case



IAP-2000PS

- Complies with IEEE 802.11n, WLAN speed 300Mbps
- 4-port 10/100BASE-TX with IEEE 802.3af PoE
- 2 x 5dBi detachable omni-directional antenna
- IPv4 and IPv6 Web management
- -10 to 60 degrees C operating temperature
- IP30 metal case



IAP-2001PE

- Complies with IEEE 802.11n, WLAN speed 300Mbps
- 2 x 5dBi detachable omni-directional antenna
- 1-port 100BASE-FX SFP slot
- IPv4 and IPv6 Web management
- -10 to 60 degrees C operating temperature
- IP30 metal case



Industrial PoE Injectors/Splitters

IPOE-162

- 10/100/1000BASE-T
- Distance up to 100m with 30W power output
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IPOE-162S

- 10/100/1000BASE-T
- 12/24V DC power output by DIP switch
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IPOE-171

- 10/100/1000BASE-T
- Distance up to 100m with 60W power output
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IPOE-171S

- 10/100/1000BASE-T
- 12/24V DC power output by DIP switch
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



Industrial Gigabit Fiber over Ethernet Media Converters

In the industrial networking environments, each networked device is required to run continuously in the hazardous status. If industrial equipment stops the connection to the network, it might influence the entire operation of industrial systems and cause incredible financial losses.

PLANET Industrial Media Converter Solution is designed with strong casing with high endurance of extreme temperatures in harsh industrial conditions. It also provides the dynamic status report and real-time alarm messages that are easy to monitor and manage the entire industrial networks. PLANET Layer 2 Industrial Media Converters, with model names starting with IGT series, mean the signal converts between fiber-optic interface and Gigabit Ethernet port.

IGT-905A

- 1-port 1000BASE-X SFP fiber optic slot
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -30 to 75 degrees C operating temperature
- IP30 metal case
- IPv4 Web management
- 802.1Q VLAN
- Storm control and bandwidth control



IGT-902T

- 1-port 1000BASE-SX SC multi-mode, 2km fiber optic
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- IPv4 Web management
- 802.1Q VLAN
- Storm control and bandwidth control



IGT-902TS

- 1-port 1000BASE-SX SC single mode, 10km fiber optic
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- IPv4 Web management
- 802.1Q VLAN
- Storm control and bandwidth control



IGT-1205AT

- 2-port 100/1000BASE-X SFP fiber optic slot
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -30 to 75 degrees C operating temperature
- IP30 metal case



IGT-805AT

- 1-port 100/1000BASE-X SFP fiber optic slot
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -30 to 75 degrees C operating temperature
- IP30 metal case



Industrial Fiber over Fast Ethernet Media Converters

In the industrial networking environments, each networked device is required to run continuously in the hazardous status. If industrial equipment stops the connection to the network, it might influence the entire operation of industrial systems and cause incredible financial losses.

PLANET Industrial Media Converter Solution is designed with strong casing with high endurance of extreme temperatures in harsh industrial conditions. It also provides the dynamic status report and real-time alarm messages that are easy to monitor and manage the entire industrial networks. PLANET Layer 2 Industrial Media Converters, with model names starting with IFT series, mean the signal converts between fiber-optic interface and Fast Ethernet port.

IFT-802T

- 1-port 100BASE-FX SC multi-mode, 2km fiber optic
- 1-port 10/100BASE-TX
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IFT-802TS15

- 1-port 100BASE-FX SC single mode, 15km fiber optic
- 1-port 10/100BASE-TX
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IFT-805AT

- 1-port 100BASE-FX SFP fiber optical slot
- 1-port 10/100BASE-TX
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



Industrial PoE Media Converters

PLANET industrial PoE Media Converter series in-line power follows standard IEEE 802.3at and is able to give power to PoE compliant devices at the distance up to 100 meters through the 4-pair Cat5/5e UTP wire. With Data and Power over Ethernet from one unit, the industrial PoE series can reduce cable deployment and eliminate the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. A wire that carries both data and power lowers the installation costs, simplifies the installation effort and eliminates the need for electricians or extension cords.

IGTP-802T

- 1-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 1000BASE-SX multi-mode, 220 /550 meters
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IGTP-802TS

- 1-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 1000BASE-LX single mode, 10km
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IGTP-805AT

- 1-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 1000BASE-X SFP slot
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- 100BASE-FX SFP transceiver compatible



Industrial RS232/RS485/RS422 over Ethernet Media Converters

In the industrial networking environments, each networked device is required to run continuously in the hazardous status. If industrial equipment stops the connection to the network, it might influence the entire operation of industrial systems and cause incredible financial losses.

PLANET Industrial Media Converter Solution is designed with strong casing with high endurance of extreme temperatures in harsh industrial conditions. It also provides the dynamic status report and real-time alarm messages that are easy to monitor and manage the entire industrial networks. PLANET Layer 2 Industrial Serial over Ethernet, with model names starting with ICS series, mean the signal converts between RS232/485/422 interface and Ethernet port or fiber-optic port.

ICS-2100

- 1-port 10/100BASE-TX
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case



ICS-2102

- 1-port 100BASE-FX SC, 2km fiber optic
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case



ICS-2105A

- 1-port 100BASE-FX SFP fiber optical slot
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case



Industrial Ethernet Extenders

The IVC Series is designed to utilize the commonly existed coaxial cables or phone wires to extend the UTP Ethernet over 100m distance limitation and transmits both power and data over single Ethernet cable to remote PoE-enabled devices in heavy industrial demanding environments.

With 4 10/100Mbps auto-negotiation ports and one VDSL2 BNC/RJ11 combo port for the currently popular Ethernet over VDSL2 connection (Symmetry means upstream and downstream rates.), it is ideal for signal conversion by transmitting the Ethernet data from the standard RG58 cable to the coaxial cable or existing copper telephone line for extending the distance.

IVC-2002

- Long reach Ethernet and extended transmission distance:
- Up to 2.4km (7,874 ft) over coaxial cable
- Up to 1.4km (4,500 ft) over twisted phone wire
- Up to 95Mbps transmission performance under 200m (656 ft)
- -40 to 75 degrees C wide-ranging operating temperature
- 12~48V DC redundant power
- IP30 metal case



IVC-2004PT

- Long reach Ethernet and extended transmission distance:
- Up to 2.4km (7,874 ft) over coaxial cable
- Up to 1.4km (4,500 ft) over twisted phone wire
- Up to 95Mbps transmission performance under 200m (656 ft)
- 15.4-watt full power injected by each PoE port
- -40 to 75 degrees C wide-ranging operating temperature
- 48V DC redundant power
- IP30 metal case



DIN-rail Power Supplies

As Industrial Ethernet equipment is specially designed for the harsh working environment, sometimes it is hard to find suitable DC voltage power source for the industrial Ethernet devices. To conquer this limit, PLANET has now released the PWR series -- DC Single Output Industrial DIN-rail Power Supply Units.

The DC Single Output Industrial DIN-rail Power Supply Units accept universal 100-240 AC input voltage or DC input and provide 24V/48V DC power output with various watt values. The Power Supply units are designed in compact size and can be installed on DIN rail TS-35/7.5 or 15. It is an ideal and convenient DC power feeding solution for industrial equipment under heavy industrial environments.

PWR-40-24

- 100~240V AC, 50/60Hz, 1.1A input voltage
- Power output 40 watts, 24V, 1.7A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-60-24

- 100~240V AC, 50/60Hz, 1.8A input voltage
- Power output 60 watts, 24V, 2.5A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-75-24

- 100~240V AC, 50/60Hz, 2A input voltage
- Power output 75 watts, 24V, 3.2A
- DIN rail TS-35/7.5 or 15
- -10 ~ 60 degrees C operating temperature



PWR-120-48

- 100~240V AC, 50/60Hz, 3.3A input voltage
- Power output 120 watts, 48V, 2.5A
- DIN rail TS-35/7.5 or 15
- -10 ~ 60 degrees C operating temperature



PWR-240-48

- 100~240V AC, 50/60Hz, 3.5A input voltage
- Power output 240 watts, 48V, 5A
- DIN rail TS-35/7.5 or 15
- -10 ~ 70 degrees C operating temperature



PWR-480-48

- 100~240V AC, 50/60Hz, 5A input voltage
- Power output 480 watts, 48V, 10A
- DIN rail TS-35/7.5 or 15
- -25 ~ 70 degrees C operating temperature

