



Industrial Automation
Modbus TCP Network

Industrial IT
SNMP Network



PLANET **Modbus TCP** Industrial Ethernet Switches

Providing Flexible Network Connectivity for Factory Automation

Easily Integrated with SCADA / HMI system

System information

- Device Name
- IP Address
- F/W Version
- MAC Address

Port information

- Port Status
- Port Description
- Port Speed

Packet information

- TX Statistics
- RX Statistics
- Error Statistics

Industrial Ethernet

Unique Flat-type Design for Easy Management

To facilitate the network deployment in any space-limited locations like wall enclosure or electric box found in buildings or outdoors, PLANET has the industrial Ethernet switches and wireless AP designed in a compact flat type. The products can be installed by fixed wall mounting, magnetic wall mounting or DIN rail, thereby making its usability more flexible.



Industry-leading Integration of PoE Technology and Renewable Energy

PLANET Industrial Renewable Energy PoE Switch utilizes the inexhaustible and natural source of energy, such as solar, wind and hydroelectric power to conserve energy, and incorporates 802.3at high power PoE technology to enable network deployment anywhere without any obstacles of geographical barrier. It greatly accelerates the installations of wireless LAN or IP surveillance systems in remote areas.



Modbus TCP Enables Flexible Network Connectivity for Factory Automation

With the supported Modbus TCP/IP protocol, PLANET Modbus TCP Ethernet Switches can easily integrate with SCADA systems, HMI systems and other data acquisition systems in factory floors. It enables administrators to remotely monitor the industrial Ethernet switch's operating information, port information and communication status, thus achieving enhanced monitoring and maintenance of the entire factory.



EN50155 Ready for Intelligent Transportation Systems

Bringing uninterrupted operation and reliable network transmission for rolling stock applications, PLANET EN50155 compliant Industrial Ethernet Switches provide waterproof M12/RJ45 interfaces and guarantee stable Ethernet operation performance under high vibration and shock environment. The switches also feature wide-ranging operating temperature, redundant ring recovery, and intelligent PoE PD and power management functions, ensuring the highest level of reliability for mission-critical applications in any difficult environment.



Layer 3 and Layer 2 Industrial Managed Gigabit 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' in the model name means that the product can support and operate under wide-ranging temperature from -40 to 75 degrees C.

Redundant Ring and Fast Recovery for Surveillance System

The IGS and IGSW series feature 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 20ms.

IGS-5225-20T4C2X

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

10G



IGS-5225-16T4S

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

Modbus TCP



IGSW-24040T

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



IGS-5225-8T2S2X

- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- 2-port 10G BASE-X SFP+
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- IEEE 1588 supported
- Static route supported
- -40~75 degrees C wide operating temperature
- DI and DO supported



10G

Modbus TCP



IGS-20040MT/IGS-12040MT

- 16/8-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- DI and DO supported

IEEE 1588

Modbus TCP



IGS-10020MT

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

Modbus TCP



IGS-10080MFT

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



IGS-5225-4T2S

- 4-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported

Modbus TCP



IGS-801M

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



Layer 2 Industrial Gigabit Switches

PLANET advanced industrial hardened Ethernet Switch series comes with a 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' in the model name means that the product 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 metal case and 100BASE-FX port or Gigabit TP/SFP combo interfaces for long-distance uplink.

IGS-500T

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

Compact
Size



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
- EEE



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



IGS-1020TF

- 10/100/1000BASE-T x 8 ports
- 100/1000BASE-X SFP x 2 ports
- IEEE 802.3az EEE Protocol based power saving
- 12 ~ 48V DC, 24V AC redundant power
- -40 to 75 degree C operating temperature
- IP 30 metal case, DIN rail and wall mount design



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-500T/ISW-800T

- 5/8-port 10/100BASE-TX
- -40 to 75 degrees C operating temperature
- IP30 metal case
- EEE

Compact
Size



ISW-501T/ISW-801T

- 5/8-port 10/100BASE-TX
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- EEE



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
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



Layer 2 Industrial Managed Gigabit PoE Switches

PLANET Industrial Managed PoE Switch series in-line power follows standard IEEE 802.3af, IEEE 802.3at or IEEE 802.3bt and is able to give power to PoE compliant devices at the distance up to 100 meters through the 4-pair Cat. 5/5e 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. Carrying PLANET's uniquely Intelligent PoE Functions such as PoE schedule, scheduled power recycling and PD alive check, the Industrial Managed PoE Switch Series greatly enhances the efficiency of network management and helps to save power and cost for the hardened network.

IGS-5225-24P4S

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



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/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported



IGS-5225-8P2S2X

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 240-watt PoE budget/remote PoE power control
- -40 ~ 75 degrees C wide operating temperature
- 48 ~ 56V DC redundant power design
- IEEE 802.1w/1s STP, IEEE 802.1Q VLAN and IGMP snooping v2 and v3
- ERPS ring supported
- Static route supported
- DI and DO supported



IGS-5225-8P4S

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



IGS-4215-8P2T2S

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



IGS-4215-4P4T2S/IGS-4215-4P4T

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



Layer 2 Industrial Web Smart 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/ISW-514PS15

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX multi-mode / single port fiber optic, 2/15km
- -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
- -10 to 60 degrees C operating temperature
- IP30 metal case



Layer 2 Industrial PoE Switches/Extenders

PLANET industrial PoE switch series in-line power follows standard IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt 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-514PTF

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



IFGS-1022HPT

- 8-port 10/100BASE-TX with 802.3at PoE+
- 2-port Gigabit TP/SFP combo for uplink
- 240-watt PoE budget
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- 250m in distance with 30-watt power output in Extend mode



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



IPOE-E202

- IP63 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 1-port IEEE 802.3at PoE PD
- 2-port IEEE 802.3at PoE PSE
- 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



IPOE-E172

- IP63 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 1-port IEEE 802.3bt/Ultra PoE PD
- 2-port IEEE 802.3bt/at PoE PSE
- Complies with IEEE 802.3at Power over Ethernet mid-span
- Max. total PoE budget up to 60~95 watts
- -40 to 75 degrees C operating temperature
- Extends Cat.5 cable installations to beyond 100 meters



EN50155 ITS Ethernet Network Solution

IGS-5227-4MP2MT

- IP67 aluminum case, outdoor installation
- Waterproof and dustproof M12 Ethernet connector against vibration and shock
- -40 to 75 degrees C wide operating temperature
- 24~48V DC redundant power design
- 144-watt PoE budget/remote PoE power control
- PoE schedule, scheduled power recycling and PD alive check functions
- ERPS Ring Data Recovery time < 50ms
- IPv4/IPv6 Layer 3 static routing and route summarization



IGS-604HPT-M12

- IP67 aluminum case, outdoor installation
- Waterproof and dustproof M12 Ethernet connector against vibration and shock
- -40 to 75 degrees C wide operating temperature
- 48~56V DC redundant power design
- 144-watt PoE budget/remote PoE power control
- PoE Schedule, Scheduled Power Recycling and PD Alive Check functions
- ERPS Ring Data Recovery time < 50ms
- IPv4/IPv6 Layer 3 static routing and route summarization



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
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature



IGS-5226-4P2T

- IP50 metal case
- IEEE 1588 and synchronous Ethernet network timing
- IPv6/IPv4 Layer 3 static routing and route summarization
- 144-watt PoE budget, remote PoE power control
- 48~56V DC redundant power design
- ERPS Ring Data Recovery time < 50ms
- -40 to 75 degrees C wide operating temperature



IGS-5227-6MT/IGS-5227-6MT-X

- IP67 aluminum case, outdoor installation
- Waterproof and dustproof M12 Ethernet connector against vibration and shock
- -40 to 75 degrees C wide operating temperature
- 12~48V DC redundant power design
- ERPS Ring Data Recovery time < 50ms
- IPv4/IPv6 Layer 3 static routing and route summarization



IGS-5227-6T

- IP67 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 6-port 10/100/1000BASE-T
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature



ISW-804PT-M12

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



ISW-800T-M12

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



Shockproof Design



Layer 2 Industrial Flat-type Ethernet Switches

WGS-5225-8P2SV

- 2.4-inch color LCD touch screen with management functions
- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Static route supported
- Modbus TCP
- PoE schedule, scheduled power recycling, PD alive check



WGS-5225-8T2SV

- 2.4-inch color LCD touch screen with management functions
- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Static route supported
- Modbus TCP



WGS-5225-8P2S

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Static route supported
- Modbus TCP
- PoE schedule, scheduled power recycling, PD alive check



WGS-4215-8P2S

- 8-port 10/100/1000T with 802.3at PoE+
- 2-port 100/1000X SFP
- -40 to 75 degrees C wide operating temperature
- 48~56V DC dual power input
- 200-watt PoE budget, up to 8 PoE port
- PD alive check, scheduled power recycling and time-based PoE schedule
- IPv6 and IPv4 Web, Telnet; SNMPv1, v2c, v3; SSH/SSL management
- QoS, bandwidth control, storm control, Layer 3/4 access control list
- STP/RSTP/MSTP, LACP



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, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping



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, 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, 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



WGS-804HP

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



WGS-803

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



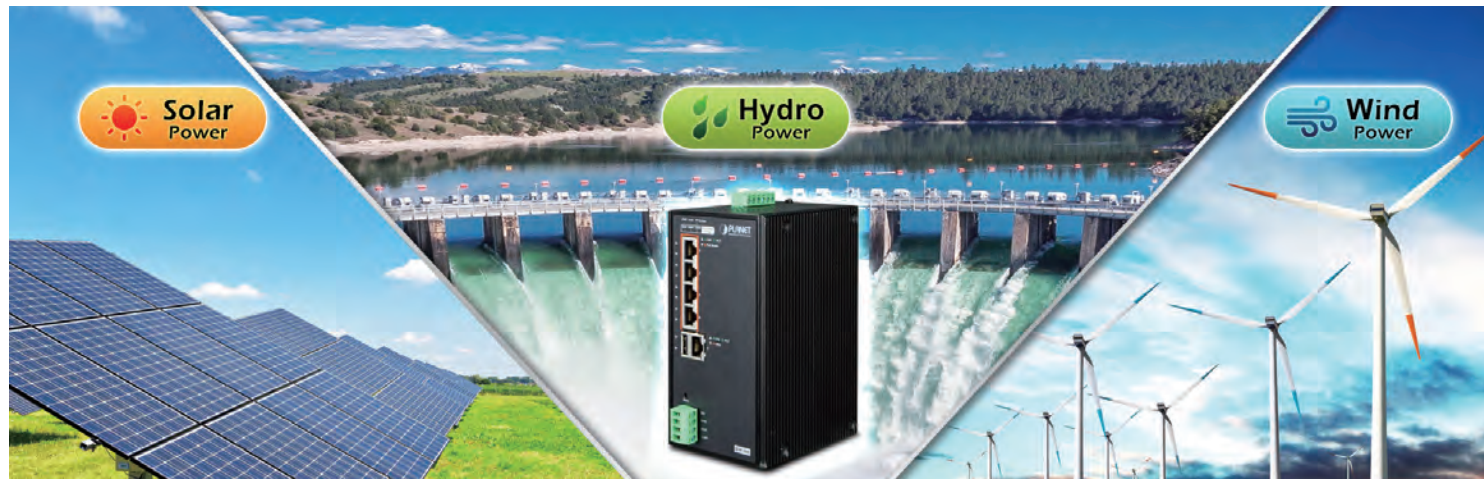
Industrial Flat-type Wireless Access Point

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 PLANET AP controllers for wirelessly centralized management





Renewable Energy PoE Switches

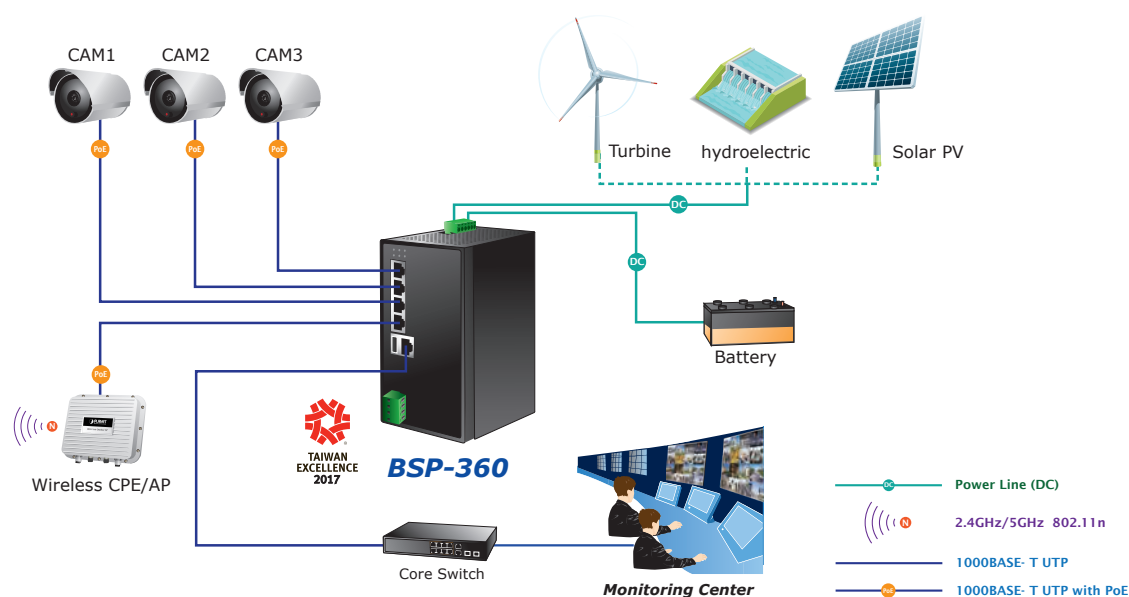
BSP-300

- 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 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 24V DC power output terminal block
- -20~60 degrees C operating temperature
- Integrated with solar PV, wind, hydroelectric power and battery for easy installation
- Web interface for remote management
- USB backup



BSP-360 Remote Management



System Management



Battery Status



Statistics



PoE Configuration



PoE Status

Industrial Ethernet Extenders

IVC-2002

- Long reach Ethernet and extended transmission distance:
 - Up to 2.4km (7,874 ft) over coaxial cable
 - Up to 1.4km (4,593 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-234GT

- Long reach Ethernet and extended transmission distance:
 - Up to 1.2km (3,937 ft) over coaxial cable
 - Up to 1.2km (3,937 ft) over twisted phone wire
- Up to 200Mbps/100Mbps transmission performance under 200m (656 ft)
- -40 to 75 degrees C wide-ranging operating temperature
- 12~48V DC redundant power
- IP30 metal case
- 4-port 10/100/1000BASE-T Gigabit LAN



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 95W power output
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



UPoE
95W

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



UPoE
95W

Industrial PoE Media Converters

PLANET Industrial PoE Media Converter series combines Ethernet media conversion (from 1000BASE-X to 10/100/1000BASE-T) with 802.3at PoE+ injector delivered in an IP30 rugged strong case. With data and power over Ethernet from one unit, the Industrial PoE Media Converter series can reduce cable deployment and eliminate the need for dedicated electrical outlets on the wall, ceiling or any unreachable place.

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
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- 100BASE-FX SFP transceiver compatible



Industrial Fiber over Ethernet Media Converters

PLANET Industrial Fiber over Ethernet Media Converter Solution is designed to withstand extreme temperatures to ensure stable operations in harsh industrial conditions. It also provides the dynamic status report and real-time alarm messages that make monitoring and managing the entire industrial networks easy.

PLANET provides the Industrial Media Converters with various fiber-optic interfaces to convert signals via 10G, Gigabit, and Fast Ethernet ports.

- IXT series – allows the signal to convert between fiber-optic interface and 10G port
- IGT series – allows the signal to convert between fiber-optic interface and Gigabit Ethernet port
- IFT series – allows the signal to convert between fiber-optic interface and Fast Ethernet port

Industrial 10GBASE-X Fiber over Ethernet Media Converters

IXT-705AT

- Complies with IEEE 802.3ae 10GBASE-R
- NBASE-T featuring adaptive rate operation
- 100 meters over Cat 6A at 10Gbps
- -40~75 degrees C wide operating temperature
- IP30 metal case
- Low power consumption



Industrial 1000BASE-X Fiber over Ethernet Media Converters

IGT-905A

- 1-port 1000BASE-X SFP fiber optic
- 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-1205AT

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



Industrial 100BASE-X Fiber over Ethernet Media Converters

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



Industrial RS232/RS485/RS422 over Ethernet Media Converters

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. It also provides the dynamic status report and real-time alarm messages that are easy to monitor and manage the entire industrial networks.

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 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



Industrial RS422/RS485 Modbus Gateway

To fulfill the demand of automation and data exchange for industrial 4.0 infrastructures, PLANET IMG serial Modbus Gateway can act as a conversion bridge between the industrial equipment with the Modbus RTU/ASCII Protocol and the administrator workstations that run the Modbus TCP/IP Protocol.

IMG-110T

- One RS422/RS485 port
- Built-in IP-based Web interface and telnet interface for remote management
- RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
- 9-48V DC power input
- -40 to 75 degrees C operating temperature
- IP40 metal case



IMG-120T

- Two RS422/RS485 ports
- Built-in IP-based Web interface and telnet interface for remote management
- RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
- 9-48V DC power input
- -40 to 75 degrees C operating temperature
- IP40 metal case



Industrial Cellular Gateway

ICG-2420-LTE

- Dual SIM cards for 3G/4G cellular network redundancy
- 3 10/100TX LAN ports and 1 10/100TX WAN port
- 2 DI and 1 DO ports, 2 RS232 and 1 RS485 serial ports
- Supports OpenVPN, IPSec
- -20 to 70 degrees C operating temperature
- IP40 aluminum case, DIN rail and fanless design



ICG-2420G-LTE

- GPS and Google map supported
- Dual SIM cards for 3G/4G cellular network redundancy
- 3 10/100TX LAN ports and 1 10/100TX WAN port
- 2 DI and 1 DO ports, 2 RS232 and 1 RS485 serial ports
- Supports OpenVPN, IPSec
- -20 to 70 degrees C operating temperature
- IP40 aluminum case, DIN rail and fanless design



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, 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-75-48

- 100~240V AC, 50/60Hz, 1.45A input voltage
- Power output 75 watts, 48V, 1.6A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-120-48

- 100~240V AC, 50/60Hz, 2.25A input voltage
- Power output 120 watts, 48V, 2.5A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-240-48

- 100~240V AC, 50/60Hz, 2.5A input voltage
- Power output 240 watts, 48V, 5A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-480-48

- 100~240V AC, 50/60Hz, 4.8A input voltage
- Power output 480 watts, 48V, 10A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature

