





Product Portfolio

Comprehensive IP-based Network Innovations

- LAN Switches Industrial Ethernet
- Industrial Automation

- LoRa AloT Communication

- Wireless LANs

Shaping Future Networking

PLANET

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- Power over Ethernet
- Media Conversions
- Broadband Communications
- IP Surveillance
- IP Telephony
- Network Security

Home Automation

- Network Peripherals Network Management
- Industrial Ethernet

L3 network management, cybersecurity protection, intelligent PoE power management.
 Supports Universal Network Management System and the CloudViewer App

GS-4210-16T2S - EEE 802.1s MSTP, IPv4 (GMP snooping and IPv6 MLD snooping GS-4210-24T2S/24T4S - 802.1s MSTP, IPv4 (HPM snooping and IPv6 MLD snooping GS-4210-48T4S - ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)

LAN Switches

Gigabit Wire-speed Layer 3 IPv4 and IPv6 routing
I P routing protocols: Static routing, RIPv1/v2, OSPFv2
IP multicast features: IGMP snooping v1/v2/v3, multicast group policy
IEEE 802:10, Private VLAN and GVRP for VLAN management
L2, L3 and L4 Access Control List and IEEE 802:1x support
IEEE 802:1d1/w1/s Spanning Tree Protocol
SNMP v1/v2c/v3 and RMON Groups 1, 2, 3, 9

8 10GBASE-T RJ45 copper interface with IEEE802.3bt support
4 10GBASE-X SFP+ fiber interface, backwards compatible with 1G/2.5G/10Gbps
Hardware-based IPv4/IPv6 static routing, IPv4 RIPv1/v2 and
OSFPv2 dynamic routing, IPv6 OSFPv3 dynamic routing
Provide up to 95W per port to PoE++/PoE+ powered
devices with Max. 420W PoE budget
Support ERPS ring which complies with ITU-T G.8032
Support IEEE 1588 Precision Time Protocol (PTP)

IP Routing Protocols: Static routing, RIPv1/v2, OSPFv2 and VRRP
 IEEE 802.10 VLAN, Private VLAN and GVRP for VLAN management
 L2, L3 and L4 Access Control List and 802.1x support
 ITU G.8032 ERPS (Ethernet Ring Protection Switching)

10GBASE-T RJ45 copper ports, backward

Layer 3 OSPFv2/v3, RIPv1/v2 dynamic routing protocols
 ERPS ring data recovery time < 10ms
 100~240V AC/48V DC Power Redundancy

CS-6306R

XGS-6350-24X4C

XGS-6350-12X8TR

XGS-6320-8X8TR

XGS-6320-8UP4X

XGS-5240-24X2QR

SGS-6310-24T4X

GS-6311-24T4X GS-6311-16S8C4XR GS-6311-48T6X

SGS-6310-16S8C4XR SGS-6310-48T6X

GS-5220-24T4XV/R

GS-5220-16S8C

GS-4210-48T4S

MGS-6320-2T6S2X

MGSW-10080F MGSW-24160F

Layer 3 8-Port 10GBASE-T 802.3bt PoE + 4-Port 10GBASE-X SFP+

XGS-6320-12X4TR



IGS-6325-24P4S

Layer 3 OSPFv2 dynamic routing, IPv4/IPv6 static

• 1 fixed module and 5 flexible optional modules combined with 802.3bt

95W PoE, 10Gbps fiber optic, M12 military-grade shockproof ports



IP30 metal case; rack-mount design; -40 to 75 degrees C wide temperature







IGS-6325-5X1T



Hardware Layer 3 IPv4/IPv6 Static Routing and OSPFv2
 ERPS ring data recovery time <10ms
 Supports 1588 Precision Time Protocol for industrial computing networks
 12~48V DC/24V AC Redundant power design; 2 DI and 2 DO
 Supports Modbus TCP/IP protocol for factory automation
 IP30 metal case; -40 to 75 degrees C wide temperature





G.8032 ERPS ring supported
Supports Modbus TCP/IP protocol for factory automation -40~75 degrees C operating temperature







 EN 61000-6-2, EN 61000-6-4 Heavy Industrial EMC 802.3bt PoE++ Type-4 PSE
 PoE schedule, scheduled power recycling, PD allive check
 Hardware Layer 3 IPv4/IPv6 Static Routing and OSPFv2
 ERPS ring data recovery time <0ms



IGS-6325-8UP2S2X IGS-6325-8UP2S

Hardware IPv4/IPv6 Layer 3 Static Routing and OSPFv2
 Supports Modbus TCP/IP protocol for factory automation
 2 10GBASE-SR/LR SFP+ slots, compatible with 1000BASE-SX/LX/BX SFP
 Redundant power design: Dual 48~56V DC







IGS-10020MT 8G TP + 2-Port 1G/2.5G SFP Managed Ring Switch

VCG-1500WG-LTE

 One SIM slot and one 4G LTE antenna for network connection
 Supports Wi-Fi 802:11 b/g/n for mobile client connectivity
 GPS antenna allows to detect the location via sat nav system
 Supports GRE, PPTP, IPSec and L2TP Supports CMS for remote management

Industrial Ethernet

IGS-4215-4P41

IGS-4215-16P2T2S

IGS-824UP1

IGS-604HPT-M12 IGS-5227X-4P2T

IGS-5227-6MT-X

ISW-800T-M12

WGS-6325-8UP2X

WGS-5225-8UP2SV

WGS-4215-8T2S 8G TP/8G TP + 2G SFP L2/ L4 Flat-type Managed Switch

WGS-4215-8HP2S

WGS-4215-16P2S

ICG-2210W-NR

FWA-2100-NR

Industrial 5G NR Outdoor Unit (ODU) with 1-port Gigabit PoE PD

95W

95W

30W

Strong SSHv2/TLS1.2 protection for cybersecurity including DHCP snooping, IP source guard and dynamic ARP inspection to prevent cyberattacks

ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)

Digital input and digital output for external alarm devices

4-/8-port 95W IEEE 802.3bt PoE++, 240-/360-watt PoE budget

Standard/Legacy/Force POE Inline modes
POE schedule, scheduled power recycling and PD Alive Check
Supports ERPS ring data recovery
IEEE 802.10 VLAN, GVRP, Voice VLAN and Private VLAN
IEEE 802.1s MSTP, IPV4 IGMP Snooping and IPv6 MLD Snooping

8 10/100/1000BASE-T RJ45 copper interface with 802.3bt PoE++ type 4 injector
Provide up to 95W per port to PoE++/PoE+ powered devices with Max. 360W PoE Budget (IGS-1000-8UP4X)
4 10GBASE-X SFP+ fiber interface, backwards compatible with 1G/2.5Gbps
Industrial design with -40 to 75 degrees C operating temperature
9 to 48 or 48 to 54V DC, redundant power with reverse polarity protection
16K MAC address table auto-ageing, 96Gbps backbone support

Supplies 90 watts over UTP cable, total PoE budget up to 240 watts
 Supports PoH PoE and Legacy detection
 -40-75 degrees C operating temperature
 6KV DC Ethernet ESD, surge protection

Hardware DIP switch for "Standard" and "Extend" mode selection
 The "Extend" mode features 30-watt PoE transmit distance of 250m
 48 ~ 56V DC redundant power design

Waterproof/dustproof RJ45/M12 Ethernet connector
 Supports Modbus TCP/IP protocol for factory automation

PoE Schedule / Scheduled Power Recycling / PD Alive Check
 Secure TLS / SSH / SNMP v3 Management
 EDPS ing supported.

EN50155 compliant 4 x 30W IEEE 802.3at PoE+ PSE port

ERPS ring supported
 MSTP / BPDU Guard / Loop Protection

No Noving witz interfaces
 No Noving witz interfaces
 No Noving witz interfaces
 12~48V DC redundant power design
 -40~75 degrees C operating temperature
 IPGF metal case/DIN rail and wall mount design

Dual power input system (3-pin terminal block and DC plug)
 12V~48V DC/24V AC power input
 IPv4/IPv6 web management / Telnet / SNMP v1, v2c, v3

remote management

STP/RSTP/MSTP, LACP, ACL, QoS, DHCP snooping

Dynamic IP, static IP, PPPoE, L2TP, PPTP

WGS-814HP/WGS-818HP
8-Port 10/100/1000T
Wall-mounted Gigabit PoE+ Switch

* IEEE 802.3at PoE+ standard with output up to 30 watts

* Total PoE budget up to 60 watts (WGS-814HP)/120 watts (WGS-818HP)

* LED indicators for PoE usage and PoE status

* Hardware-based DIP switch for Standard, VLAN and Extend mode selection

* 250m in distance with data and PoE output in Extend mode

* BKV surperprotection.

PoE schedule, scheduled power recycling, PD alive check
Supports ITU-T G.8032 ERPS ring
IPv4/IPv6 Secure SSHv2, TLSv1,2 and SNMPv3 remote management
IEEE 802.1Q VLAN, GVRP, Voice VLAN and Private VLAN

4-/8-/16-port IEEE 802.3at PoE+, up to 36 watts for each PoE port
PoE Schedule / Scheduled Power Recycling / PD Alive Check
IPv4/IPv6 web management; Telnet; SNMP v1, v2c, v3 remote management
-40 to 75 degrees C operating temperature
Dual redundant power input on 48-56V DC terminal block and power jack

Dual SiM for cellular network redundancy

1 x 1000BASE-X SFP LAN/WAN port (ICG-2515FW-NR)

4 10/100/1000T LAN ports and 1 10/100/1000T WAN port

2 Dl, 2 DO and 1 RS485 port for Modbus applications

SSL VPN and robust hybrid VPN (IPSec/PPTP/L2TP over IPSec)

Full security with VLAN, NAT, DMZ, routing, firewall and IP/MAC/port filtering

MPPT Charge Controller supports up to 400W solar panel
LED Indicator shows the System Operating Status for easy diagnostic
Solar power solution realizes truly zero-carbon Green Power System
Plug-and-Play designed for PoE devices

10/19-inch Chassis compatible (MC-700 / MC-1500)

5G NR(NSA/SA)/4G LTE network with dual nano-SIM design for cellular network redundancy
 SSL VPN and robust hybrid VPN (IPSec/PPTP/L2TP)
 Full security with Cybersecurity, DMZ, and IP/MAC/Port filtering
 Stateful Packet Inspection (SPI) firewall and content filtering
 -20 to 60 degrees C operating temperature
 IP68 rating waterproof

ICS-2100T/ICS-2105AT ICS-2102T/ICS-2102TS Industrial 1-port RS232/422/485 Serial Device Server /with 1-Port 100BASE-FX SFP

ICS-2200T/ICS-2400T

 1-port 10/100BASE-TX (ICS-2100T)
 1 RS232 with DB9 interface
 1 RS422 or RS485 with terminal block interface
 1 RS422 or RS485 with terminal block interface
 Several operating modes including TCP Server, TCP Client, UDP, Remote Pair, Modbus Converter Server/Client, Serial Telnet, RFC2217 and VCOM mode
 -40 to 75 degrees C operating temperature
 9 to 48V DC/24V AC, redundant power cs-2400T
rt RS232/422/485
rer

supports Standarder of Pair Operation
Several serial operating modes including TCP Server, TCP Client, UDP,
Remote Pair, Serial Telnet, RFC2217, VCOM and Modbus converter mode
12 to 48V DC, redundant power with reverse polarity protection

-40 to 75 degrees C operating temperature

IMG-2100T/IMG-2105AT
IMG-2102T/IMG-2102TS
Industrial 1-port RS232/422/485
Modbus Gateway/ with 1-Port
100BASE-FX SFP

1-port 10/100BASE-TX (IMG-2100T)
1 RS232 with DB9 interface
1 RS232 with DB9 interface
1 RS422 or RS485 with terminal block interface
1 RS422 or RS485 with terminal block interface
1 RTU Master, ASCII Master, and ASCII Slave operation modes
1 ot 48V DC / 24V AC, redundant power
1 -40 to 75 degrees C operating temperature

Industrial Automation IMG-2200T/IMG-2400T
Industrial 2-/4-Port RS232/
429/485 Modbus Gateway

- 2-port 10/10/05/35/51-12
- 2/4 RS232/RS422/RS485 with DB9 interface
- RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
- 12 to 48V DC, redundant power design

| ECS-1116DI/IECS-1116D0 |
| Industrial EtherCAT Slave I/O |
| Module with Isolated 16-ch |
| Digital Input/ Output |
| Digital Input/ Output |
| Built-in isolated 16 digital inputs/output satus |
| Removable terminal block connector |
| 9-48V DC Wide input voltage range |
| EtherCAT Tolstributed Clock (PC) mode and settlerCAT conformance test tool verified | IECC-210T/IECC-210R 1-Port 100BASE-FX SFP slot
 Dual 9~48V DC wide input voltage range IP30 metal case, DIN-rail and wall mount designs

IECJ-300 IECJ-400/410FT

LoRa AloT Communication Supports Frequency Band 868/915/923MHz Sub 1G
 Web UI for LoRa and network configuration
 SSL VPN and robust hybrid VPN (IPSec/PPTP/L2TP over IPSec)
 DC 9 to 54V redundant power; -40 to 75 degrees C operating temperature
 IP30 metal case with DIN-rail or wall-mount design
 SA NIP (40; LTE cellular optwark companied for data transprise (40; CG 200).

LCG-300/LCG-300W LCG-300-NR LN1130/LN1140

EtherCAT

EtherCAT

Ultra-wide-distance transmission up to 10km with line of sight
 Easy to connect with multiple wired sensors through RS232/RS485 interfaces
 Triggers multiple conditions and actions
 Compliant with standard LoRaWAN gateways and network servers 9 to 48V DC



 24 port 802.3at PoE+, 370 watt PoE budget
 IP Routing Protocols: Static Routing and RIP v1, v2; OSFP v1, v2 dynamic routing

IEEE 802.10 VLAN, Q-in-Q, private VLAN, GVRP

IGMP snooping v1, v2 and v3; MLD snooping v1 and v2

IP Stack: Up to 24 units and single IP address stack management SGS-6310-24P4X
SGS-6310-48P6XR

24/48-Port 802.3at PoE+, 370/740-watt PoE budget

I P Routing Protocols: Static routing, RIPH/V2, OSPFv2 and VRRP

IEEE 802.1Q VLAN, Private VLAN and GVRP for VLAN management

ITU G.8032 ERPS (Ethernet Ring Protection Switching)

Hardware Stack: Up to 8 units and single IP address management

GS-6322-24P4X

L3 24-Port 10/100/1000T 802.3bt
POE + 2-Port 10GBASE-T + 2-Port
10G SFP+ Managed Switch with
Dual Modular Power Supply Slots

POE shedule, scheduled power recycling, PD alive check

IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs ■ 2.4-inch color LCD touch screen with management functions
■ ERPS ring data recovery time <10ms
■ IP Routing Protocols: static routing and OSPFv2
■ Supports PoE power up to 95 watts (Total budget: 720W)
■ PoE schedule, scheduled power recycling, PD alive check
■ 36-60V DC and 100-240V AC redundant power for system 16-/24-port 60W 802.3bt PoE, 400-/600-watt PoE budget
 PoE Schedule / Schedule Power Recycling / PD Alive Check
 IPv4/IPv6 Layer 3 Static Routing
 IEEE 802.1s MSTP and loop protection
 Multipool VI No reciprote protection GS-5220-24UPL4XR

 Supports PoE Power up to 36 watts for each PoE port
 IPV4/IPV6 Layer 3 static routing and route summarization
 IEEE 802.10 VLAN, 0-in-Q, Protocol-based and MAC-based VLANs
 100~240V AC, 36~60V DC redundant power for system GS-5220-24PL4XR 8-Port 10/100/1000BASE-T with 36W/95W PoE injector
2-port 1/10G BASE-X SFP+
Up to 8 ports of IEEE 802.3af/802.3at devices powered

GS-6311-48P6X

 4-Port 100/1000/2500BASE-T with 60/95W PoE++ (MGS-6320-8HP2X)
 8-Port 100/1000/2500BASE-T with 32W PoE+ (MGS-6311-8P2X)
 2-port 1/10G BASE-X SFP+
 Up to 8 ports of IEEE 802.3af/802.3at devices powered
 Layer 3 IP Routing, IGMP/ MLD Snooping port filtering
 Supports IPv6 VLAN, SSH/TLS, SNMP MGS-6311-8P2X MGS-6320-8HP2X

GS-5220-8P2T2S WGSW-20160HP WGSW-24040HP4 AVS-4210-24HP4X

 IEEE 802.3at/af Power over Ethernet / End-Span PSE
 150-watt/230-watt/440-watt PoE Budget / Remote PoE Power Control
 IEEE 802.101/ul/s Spanning Tree Protocol
 IEEE 802.10 VLAN / Private VLAN / O-in-Q
 Layer 2/3/4 Access Control List / QoS Control List
 IPv6 Web interface / SNMP / TLSv1.2 / Management Simplified UI for easy installation in the Pro AV industry.
Unleash hassle-free device deployment with 24-port PoE including 8-port 802.3bt.
Empower your Pro AV network with a powerful 480W PoE budget.
Auto-LAG and auto-trunk seamlessly interconnect

 515/240-watt PoE budget
 IEEE 802.1w/1s Spanning Tree Protocol
 IEEE 802.1g VLAN, Voice VLAN, Private VLAN, Q-in-Q
 IGMP snooping v2 and v3
 QoS, bandwidth control, storm control, Layer 3/4 access control list
 IPv6/IPv4 Web, Telnet, SNMP v1/v2c, SSH/TLS management GS-4210-24HP2C GS-4210-24FF2C
GS-4210-8HP2S
10/100/1000T 802.3bt PoE
+ 10/100/1000T 802.3at
PoE + Gigabit TP/SFP
Combo Managed Switch GS-4210-24PL4C

GS-4210-16P2S

MGS-910XP

UPOE-800G

UPOE-1600G UPOE-2400G

POE-171/POE-173

POE-171S

POE-171A-60 POE-171A-95

 24-/48-port 802.3at PoE, 280-/430-/600-watt PoE budget
 PoE Schedule / Scheduled Power Recycling / PD Alive Check
 IEEE 802.1g VLAN, GVPP, voice VLAN and private VLAN
 IEEE 802.1s MSTP, IPV4 (GMP snooping and IPv6 MLD snooping
 802.1x RADIUS and TACACS+ authentication, Layer 2/3/4 ACL
 IPv6 web management / SNMP vI, v2c and v3 / SSH / SSL management
 Cable diagnostics, smart fan and power alarm GS-4210-48P4S

GS-4210-16P4C GS-4210-8UP2S

PD Alive Check / Ścheduled Power Recycling/
Time-based PoE Schedule

IEEE 802:10 VLAN / Voice VLAN / Private VLAN / Q-in-Q

IGMP snooping v2 and v3 / MLD snooping

IPv6 Web interface / SNMP v1, v2c and v3 / SSH / SSL management

13-inch desktop size, 19-inch Rack-mountable

8-Port 802.3bt PoE++, 150-watt PoE budget (GS-4210-8UP2S) 16-/24-port 802.3bt PoE++, 400-watt/600-watt PoE budget
Compatible with 802,3at PoE+ type II
PoE Scheduled Power Recycling / PD Alive Check
EEE 802.10 VLAN, GVRP, voice VLAN and private VLAN
EEEE 802.10 VLAP, IPv4 IGMP snooping and IPv6 MLD snooping
IPv6 web management / SNMP v1, v2c and v3 / SSH / TLSv1.2 management GS-4210-16UP4C GS-4210-24UP4C

FGSW-1816HPS FGSW-2624HPS FGSW-2624HPS4

PoE Management / PoE Status / PoE Schedule
IEEE 802.10 VLAN / Port-based VLAN
IEEE 802.10 /Iw Spanning Tree Protocol
IEEE 802.3ad Link Aggregation Control Protocol
IGMP snooping v1 and v2 LCD Monitor for system status and PoE usage status display
8/16/24-port 10/100BASE-TX Fast Ethernet RJ45 copper
End-span (120/300-watt PoE budget)
Per PoE port supports up to 30-watt
VLAN Isolation Mode IP surveillance application FGSW-1822VHP FGSW-2622VHP

GSW-1820VHP GSW-2620VHP

GSD-2022P/GSW-2824P

16-/24-Port 10/100/1000T

802.3at PoE + 2-Port 10/100/1000T

SFP Desktop Switch

Supports up to 32W per PoE+ port w/ 185W PoE budget

Hardware-based DIP switch for Standard, VLAN or Extend mode selection

VLAN mode is to isolate ports to prevent broadcast storm and defend DHCP spoofing

Extend mode enables 8 PoE ports to support a max. distance extension of 250m

Two 1000BASE-SX/LX/BX SFP slots for long distance data uplink

FSD-1008HP/GSD-1008HP P

IEEE 802.3at PoE standard compliant

- 8-port PoE+, total PoE budget of 120W

- 2-port RJ45 for uplink

- Hardware DIP switch for Standard, VLAN and Extend mode selection

- Distance is 250m with 30W power output at speed 10Mbps in Extend Mode FGSD-1011HP

 IEEE 802.3at/802.3af PoE standard compliant
 16-/24-port 10/100BASE-TX End-span PSE and 120-/185-watt PoE budget
 1 port Gigabit RJ45 and 1 port Gigabit Mini-GBIC SFP for uplink
 Extend mode features 30-watt PoE transmit distance of
 250m at speed of 10Mbps and VLAN isolation
 Fanless and 12-inch desktop size design FGSD-2621P 16-/24-Port 802.3at PoE + 2G TP + 1G SFP Desktop Switch FSD-604HP

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX
- 4-port PoE+, total PoE budget of 60W
- 1/2-port 10/100Mbps RJ45 for uplink
- Distance is 250m with 30W power output at speed 10Mbps in Extend Mode
- Supports VLAN isolation in Extend Mode

 802.3bt PoE++ UPoE, end-span or mid-span selectable in "PoE Power Output" mode
 360-watt/600-watt/800-watt PoE budget, remote PoE power control
 PD Alive check / Scheduled Power Recycling/
Time-based PoE schedule
 10/100/1000T management port 8/16/24G 802.3bt PoE+-HPOE-1200G HPOE-2400G 12-/24-Port 802.3at PoE+

■ Up to 60W of Power on 4-pair UTP Up to 6UW of Power on 4-pair UTP
Supports 10/100/10008ASE-T Applications
Compatible with All IEEE 802, 3at/af PSE Injector/Switch
Enables Powering with 12V, 19V and 24V Terminals
via POE-171S PoE Splitter
SD/EFT protection: 6KV DC

Supports MU-MIMO, OFDMA and seamless roaming, beam forming, BSS coloring
 Simultaneous dual-band connectivity at 2.4GHz 600Mbps and 5GHz 2400Mbps
 Backward compatible with IEEE 802.11 a/b/g/n/ac/ax

WBS-512AC

WBS-900AC-KIT

WDAP-C3000AX

WDAP-W1800AXU
Dual Band 802.11ax 1800Mbps
In-wall Wireless Access Point
w/802.3at PoE+ and Type C USB

* Simultaneous dual-band connectivity at 2.4GHz 600Mbps and 5GHz 1200Mbps

* Supports MU-MIMO, OFDMA, seamless roaming, beamforming and BSS coloring

* Supports Pv6 and port VLAN

* Supports and RADIUS server/client
Multiple Operation Modes for various applications:
Wireless AP, Repeater and Gateway Mode

* Centrally managed by PLANET NMS controller and PLANET CloudViewerPro app

Power over Ethernet

POE-175-95

IPOE-175S

POE-173S/POE-176S

IPOE-173S/IPOE-176S

GUP-805A-60W

IGTP-815A

IPOE-E302

LRP-101C-KIT

LRP-101U-KIT

LRP-1622CS

ENW-9740P

10/100TX to 100FX Smart Converter

100/1G/2.5G/5G/10GT to 10G SFP+ Smart Converter

30W

LRP-422CST/LRP-822CS/

POE-E201/E202/

GUP-805A-95W

Passive IEEE 802.3/802.3u/802.3ab, 10/100/1000BASE-T

Compatible with IEEE 802.3bt
 Splits the PoE power over RJ45 Ethernet cable into 12V/19V/24V DC output

Splits the PoE power over RJ45 Ethernet cable into 12V/19V/24V DC output

SFP slots support 1000BASE-X and 100BASE-FX transceiver in dual mode
Complies with IEEE 802.3bt PoE++ Type-4 PSE
Supports PoE power up to 95 watts for each PoE port
DIP switch: Standard/Legacy PoE mode selection
12 ~ 56V DC redundant power with reverse polarity protection

Power over Coaxial up to 1km
 Power Input: External DC or PoE Power Input (LRP-101CH/LRP-101UH)
 Power Output: PoE Power Output (LRP-101CE/LRP-101UE)
 Configure free, Plug and Play

Adaptive Coaxial or UTP connectivity

4-port IEEE 802.3at/af PoE standard compliant

PoE usage LED display

Power over coaxial or external 24-48V redundant power

-20 to 70 degrees C operating temperature

IP30 metal case for DIN rail or wall mounting

Media Conversion

3-Port Gigabit SFP Media Converter

3-port Gigabit Data Switching or Redundant Mode

GT-91x

10/100/1000T to 1000SX/LX
Managed Media Converter

* Remote IP-based Web Management

* SNMP v1, v2c and SNMP Trap

* 802.10 VLAN / Q-in-Q VLAN Management

* TS-1000 / IEEE 802.3a h OAM

* 802.1p / IP Address / IP DSCP QoS

* Bandwidth Control / Storm Control

* 10/19-inph Chassis compatible

DIP Switch for Smart Function Setting
Auto MDI/MDIX on TP Port
LLR / LLCF for Fiber Connection Diagnostic
Uprious optional fiber connectors on different

Hot-swappable Feature on each Slot
 FT-80 x / FT-90 x / FT-1105A / FT-1205A compatible
 AC Power acceptable
 10/19-inch Rack mountable

110GBASE-T RJ45 copper interface, backward compatible with
 5G/2.5G/1Gbps and 100Mbps datarate
 1 or 2 10GBASE-X SFP+ slot
 IEEE 802.1Q VLAN and IEEE 802.1ad Q-in-Q VLAN mode
 Supports ITU-G.8032 Ethernet Ring Protection Switch (ERPS)
 Quality of service supports IP TOS / DSCP / IP Precedence
 PLANET INMS system and Cloud/lewer/Cloud/lewer/Pro for deployment management

ID/100mbps nu4s port, auto-flegotration and nati/nui duplex mode
 Supports RJ11 and UTP cable/Uses existing RG59/RG6 coaxial cable
 Long distance Ethernet data transmission up to 1km/2km
 Master/Slave mode selectable via DIP switch
 Maximum 1522 bytes packet size, IEEE 802.10 VLAN tag transparent
 Co-works with PLANET MC-7/15 family Media Chassis

Compliant with hybrid video (AHD/TVI/CVI/CVBS)
Long-distance data transmission of 20km
High-speed synchronous digital transmission technology
Video and data transmission over Gigabit fiber optic cable
Data type: RS485
Standalone or work with PLANET MC-700/1500/1500R media converter chassis

Compliant with 4-ch hybrid video (AHD/TVI/CVI/CVBS)

Compliant with 4-ch hybrid video (AHD/TV/CV/CV/SS)
Long-distance data transmission of 20km
High-speed synchronous digital transmission technology
Video and data transmission over Gigabit fiber optic cable
Data type: RS485
Video bandwidth of 60MHz, SNR>67dB
Wide temperature range from -20 to 70 degrees C

Supports MU-MIMO, OFDMA, seamless roaming, beamforming

■ 5GHz 11ac Wi-Fi speed up to 900Mbps Wave 2.0, MU-MIMO

ATPC Tech: reduced interference and enhanced network capacity
GoHz 11ac Wi-Fi speed up to 900Mbps Wave 2.0, MU-MIMO
29dBi dual-polarization antenna for PtP connection
"One-click PtP" to establish connection easily

and BSS coloring

Simultaneous dual-band connectivity at 2.4GHz 600Mbps and 5GHz 2400Mbps

Backward compatible with IEEE 802.11 a/b/g/n/ac

Supports IPv6 and port VLAN

20KV surge protection for wire cable interface

Centrally managed by PLANET NMS controller and PLANET CloudViewerPro app

Wireless LANs

for deployment management

 Complies with IEEE 802.3ae 10GBASE-SR/LR NBASE-T featuring adaptive rate operation
 100 meters over Cat 6A at 10Gbps
 -40~75 degrees C operating temperature

Media conversion between 10/100/1000BASE-T

Compatible with IEEE 802.3bt Power over Ethernet

■ IEEE 802.3at PoE+, up to 30W over UTP cable

plus plus end-span + mid-span PSE

Copper RJ45 interface with Data + Power output

Auto detects powered device (PD)

Wireless LANs



Simultaneous dual-band connectivity at 2.4GHz
600Mbps and 5GHz 1200Mbps (IAP-1800AX)
GHZ-band, 4T4R connectivity at 2400Mbps (IAP-2400AX)
Supports MU-MIMO, OFDMA and seamless roaming, beamforming and BSS coloring
Backward compatible with IEEE 802.11a/b/g/n/an/ac wireless technology
Multiple operation modes: AP, repeater and gateway mode options
Centrally managed by PLANET NMS controller and PLANET CloudViewerPro app
Effective fault alarm and DI/DO alert for better protection



SSL / PPTP VPN, URL / IM / P2P Blocking and SPI Firewall

ICA-4480F

ICA-M3580P ICA-M4580P

NVR-1600 NVR-2516P

 H.264 and ONVIF compliant
 HDMI and VGA output at 1920×1080P resolution
 Auto-configuration for PLANET IP CAM
 PLANET Easy-DDNS (Mobile App
 Multi-brand IP CAM / Google e-Map
 Full Interaction & Multi-propitor with CMS NVR-820 Dual monitor for Live View & Playback

 5-in-1 - TVI, CVI, AHD, CVBS and IP Full HD video input
 4/16-ch BNC connectors and 1 SATA HDD
 H.265/H.264 high profile video compression
 HDMI and VGA output at 1920 x 1080 resolution
 ONVIF, CMS and mobile app for remote monitoring HDVR-435 HDVR-1635

NVR-E6480



IVR-100/IVR-300/



GPL-8000 Distance up to 20km
 IEEE 802.1Q tagged VLAN and Q-in-Q VLAN supported Optional redundant power design with dual-AC or AC+DC supported



 One 10/100/1000 RJ45 port

Home Automation

HDP-1261PT



NMS-500
Enterprise-class Universal
Network Management Controller

A duto discovery of up to 512 devices via web interface
Central provisioning and remotely control over each managed device
A topology view of network devices by LLDP protocol
The status of a network can be reported via system event and syslog
SMTP alarm for managed devices in real-time status
Built-in PLANET AP controller (SAPC) and RADIUS authentication function Auto discovery of up to 1024 devices via web interface



NMS-360V-10/12

Trinch color touch screen with Android 9.0 OS
Plug and Play optional 1080p USB camera with 720P 30fps H.264 video call
IETE SIP compliant with Transport Layer Security
Up to 20 SIP lines with 112 one-touch DSS keys
Ual Gigabit and IEEE 802.3af/at PoE compliant
Built-in Bluetooth 4.2 and 2.4G/5G Wi-Fi
Wideband G.722 HD and Opus audio codec with handset and hands-free function ■ IETE SIP 2.0 (RFC 3261) compliant with outbound proxy / STUN traversal

IP Surveillance











VR-300FW-NR

VPN Security Gateway

Compliant with the IEEE 802.3at P0E+ (VR-300P/VR-300WP)

Compliant with the IEEE 802.11a/b/g/n/ac wireless (VR-300W/VR-300WP) **Broadband Communications** 8 PON ports, 8 IG SFP ports, 8 IG/10G SFP+ ports and 4 Gigabit RJ45 interfaces

GPN-400ACV

VTS-700WP

Suilt-in Wi-Fi 2-4G/5G
 Standard SIP protocol compatible with modern IP Intercom systems
 Integrates control gateway and door phone with one control pad
 Real-time image (1080P) monitoring of home and community public cameras

IPM-8221

Network Management

Supports up to 256 PLANET BSP-360 and up to 1024 PoE IP cameras

 IT-12 SIP-20 (IF-0 2801) compliant with outbound ploxy? 310N travels 1.30/T.38 fax volume conf iguration
 Caller ID recognition DTMF and FSK
 Supports SIP proxy and peer to peer dialing
 Supports NAT, Firewall, 802.1Q VLAN, QoS, TLS and SRTP
 Conf iguration and Management through Wizard, TR069 and SNMP
 Supports multi-party conferencing, call forward, call waiting, hot-line call and Do-not-disturb VGW-820FS VGW-1620FS VGW-2420FS VGW-3220FS

SIP 2.0 (RFC 3261) compliant
30/100/200 Registrations and 15/30/60 Concurrent Calls
Supports 2 FXO ports for IPX-330 and IPX-1102
Supports maximum 8 ports (on 2 slots - IPX-21FO/IPX-21SL/IPX-21GS) for IPX-2100/IPX-2200
Suppots SMMP v2, VPN Server/Client
Customized IVIP Voice mail to e-mail

ICA-3480 ICA-4480 H.264(+)/H.265(+)/MJPEG/AVI multi-stream video encoding
 Supports 5 backlight compensation (BLC) modes: Left, Right, Up, Down, Middle
 Supports digital WDR (DWDR) and 3-dimensional Noise Reduction (3DNR)
 Supports IPv6, QoS, IEEE 802.1X network functions and









Stylish 7-inch 1024 x 600 resolution IP Intercom touch screen display

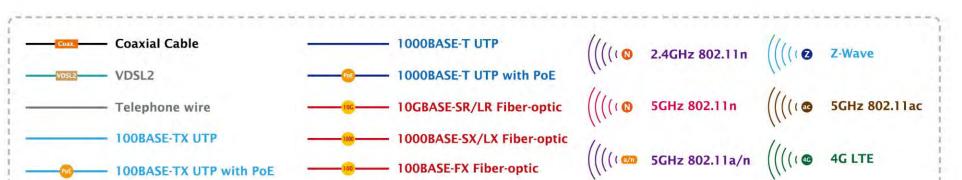
 7/2/D camera has nign-performance HD video
 G.722 coding produces clearer HD video quality
 1/965 and IK10 enclosure
 Supports the most popular and compatible standard SIP protocol
 Supports video intercom, door phone and single device paging
 Access control by IP phone, DTMF code and RFID card 720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE

Central management of 100 sites with NMS agent overseeing up to 102,400 nodes
Central provisioning and remote control over each managed device
Encryption key length of 2048 bits and SHA265 for security protection
Physical site map view and logical topology view of network
Setup wizard, alert popup message and e-mail alarm notification
Top 10 event sites, history comparison graph and critical event chart for analyzing network environmental situation



Intelligent IoT & IIoT Network Infrastructure Solutions





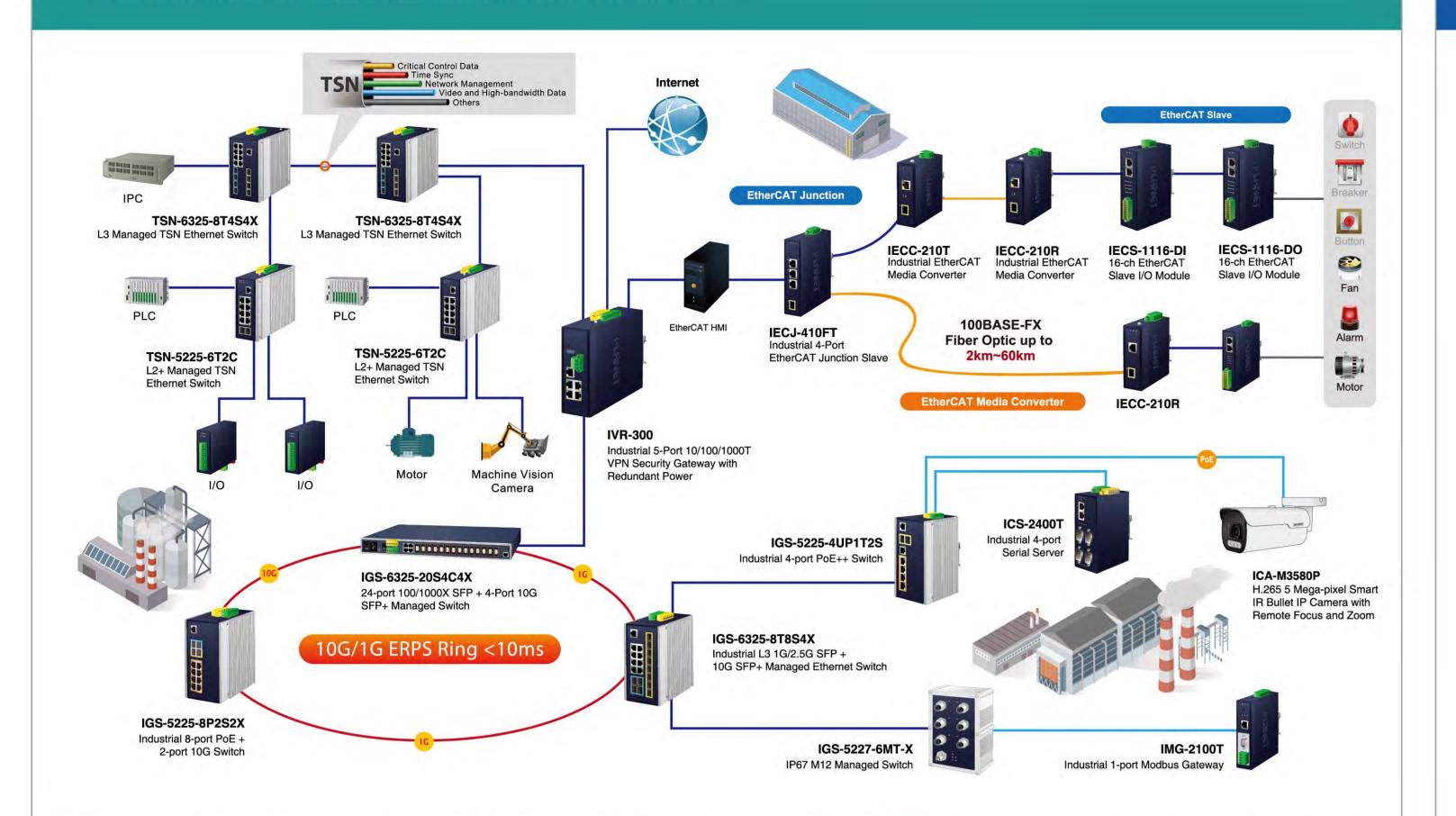
Global 5G NR (NSA/SA)/4G LTE network

Planet CloudViewer app supported

• Complies with IEEE 802.11ax and IEEE 802.11a/b/g/n/ac standards

Smart Manufacturing Network

Advanced connection for enhanced network infrastructure



Guaranteed Delivery of Time-Sensitive Data

Industrial L3 1G/2.5G SFP + 10GBASE-X SFP+

Managed TSN Ethernet Switch

Integration of major TSN protocols

reverse polarity protection

• IPv4 and IPv6 dual stack management

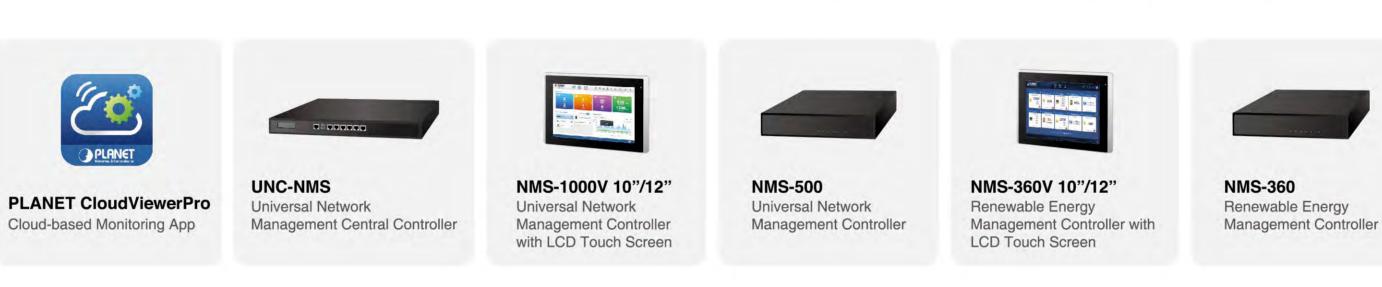
Dual power input, redundant power with

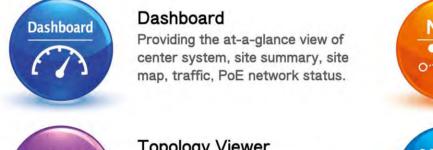
TSN-6325-8T4S4X

Universal Network Management System

Smart central management over all network devices







topology of network devices

compliant with SNMP and LLTD



applications while keeping



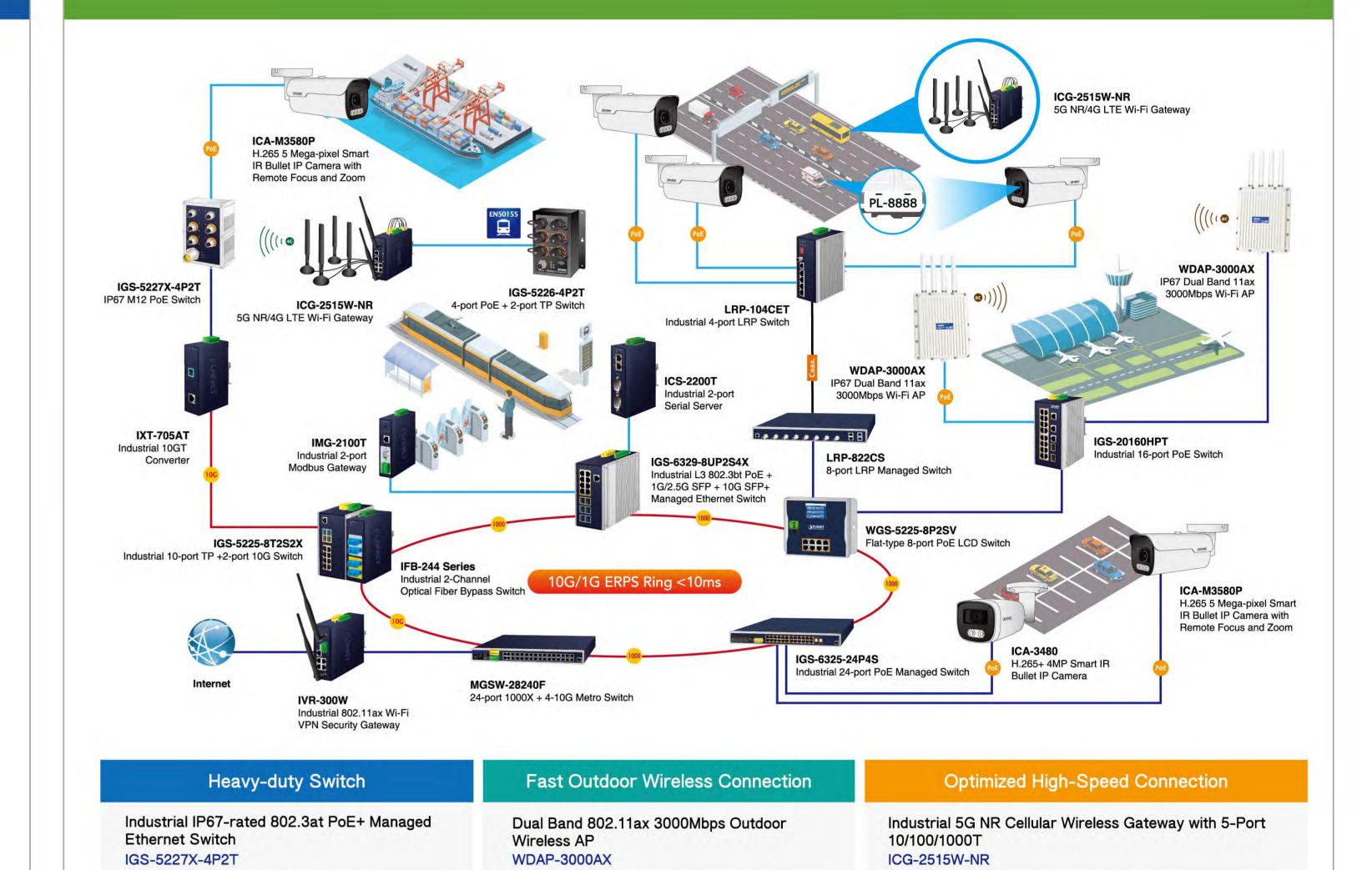
Critical Events for devices.





Transportation, ITS

Implementation of high-speed networking for efficiency of transportation



Maximum wireless speed of 3000Mbps in dual band

IP67 rating, IEEE 802.3at PoE design

20KV surge protection for wire

cable interface

Hotels & Resorts

Powerful Industrial VPN Security Solution

4 1000BASE-T RJ45 compliant with 802.3at PoE+

• 1 USB 3.0 port for system configuration backup and

Industrial VPN Security Gateway with

• 2 x DI/DO and 1 serial port (RS485)

Redundant Power

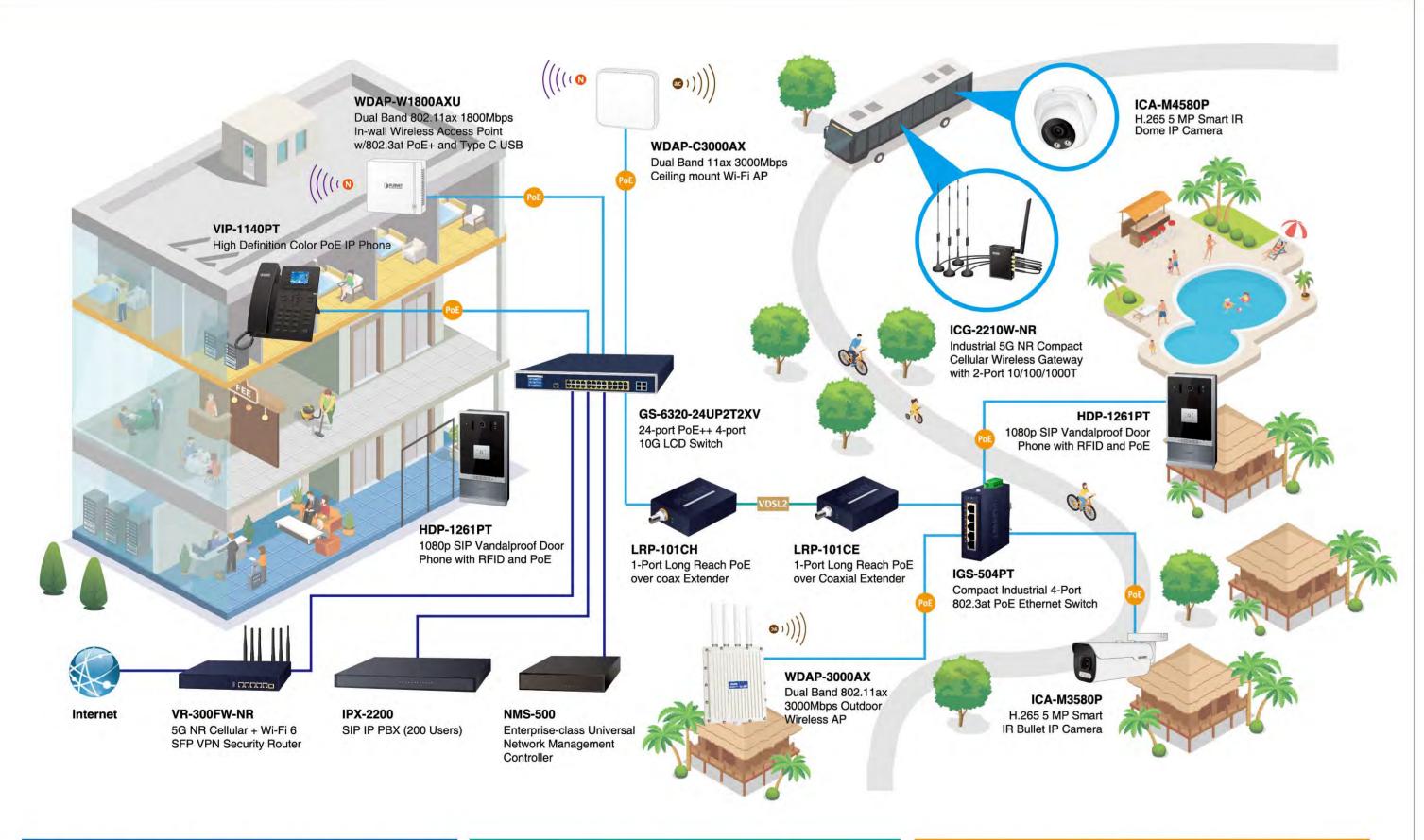
Dual WAN function

firmware upgrade

for Modbus applications

IVR-300FP

A smooth network connection for vacationers



Optimizing AP deployment with actual signal coverage

10G Ethernet Switch Solution for SMBs

L3 802.3bt PoE++/ + 2-Port 10G SFP+ Managed Switch GS-6320-24UP2T2XV

- Complies with IEEE 802.3bt PoE+/PoE++
- Supports IPv4 IGMP snooping v1, v2 and v3 Supports Layer 3 dynamic Routing RIPv1/v2 and OSPFv2/v3

Controller

Central Management Ultra-high-speed Wireless LAN Solution Dual Band 802.11ax 3000Mbps Ceiling-mount Enterprise-class Universal Network Management

- WDAP-C3000AX Manage a network of up to 512 nodes Supports MU-MIMO (multi-user multiple-input multiple-output), Beamforming and BSS Coloring At-a-glance view of system and wireless network status
 - 802.11ax 2T2R architecture with data rate of up to 3000Mbps (600Mbps in 2.4GHz and 2400Mbps in 5GHz) Compliant with the IEEE 802.11a/b/g/n/ac/ax wireless technology

10Gbps Fiber Ports for High-speed Networking

Industrial L3 100/1G SFP with 4 Shared TP + 1G/2.5G

SFP + 10G SFP+ Managed Ethernet Switch

Supports maximum 128 static routes and route

IP dynamic routing protocol supports OSPFv2

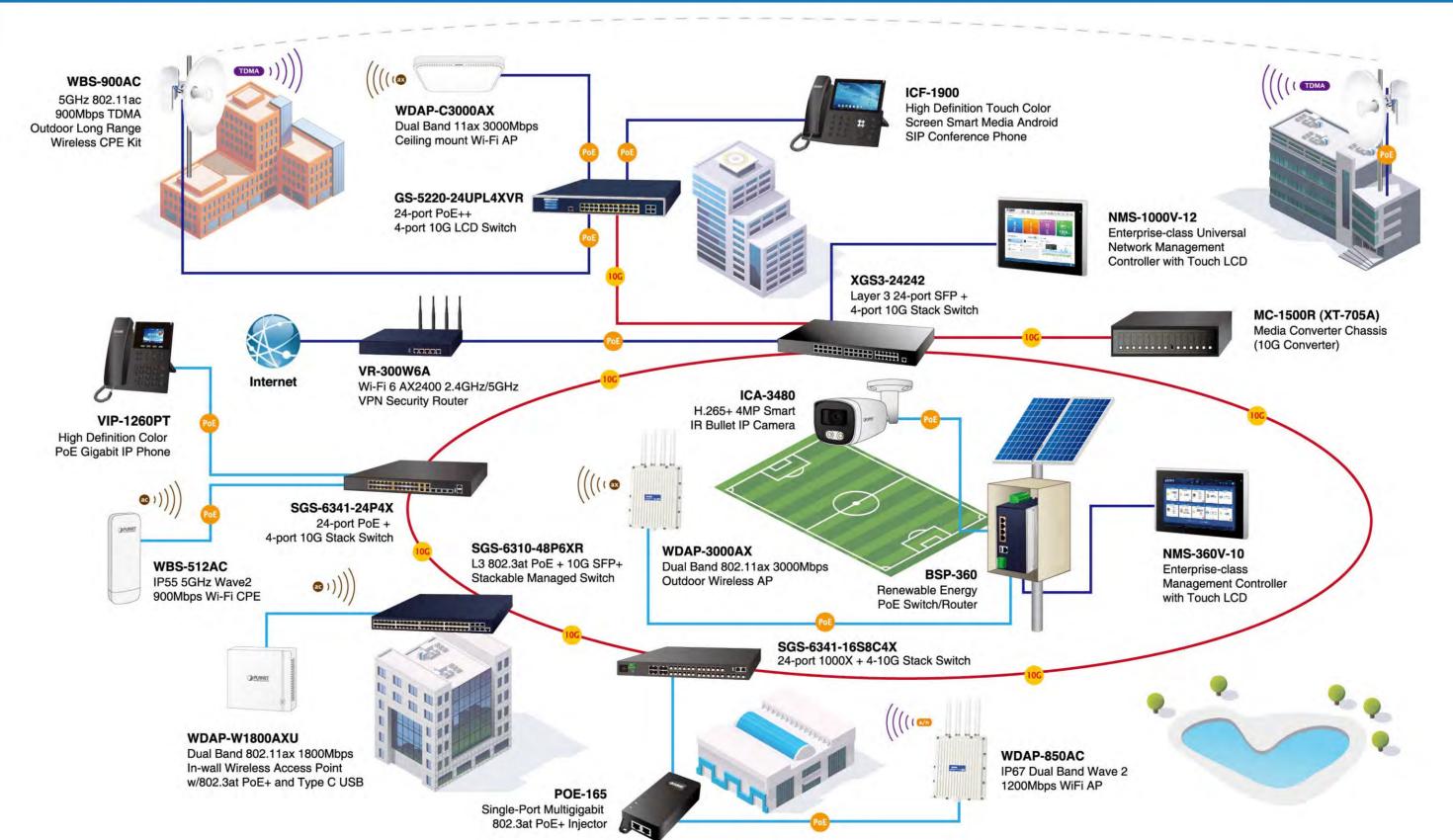
• Routing interface provides per VLAN routing mode

IGS-6325-20S4C4X

summarization

Digital Campus

Optimized on-campus network connectivity



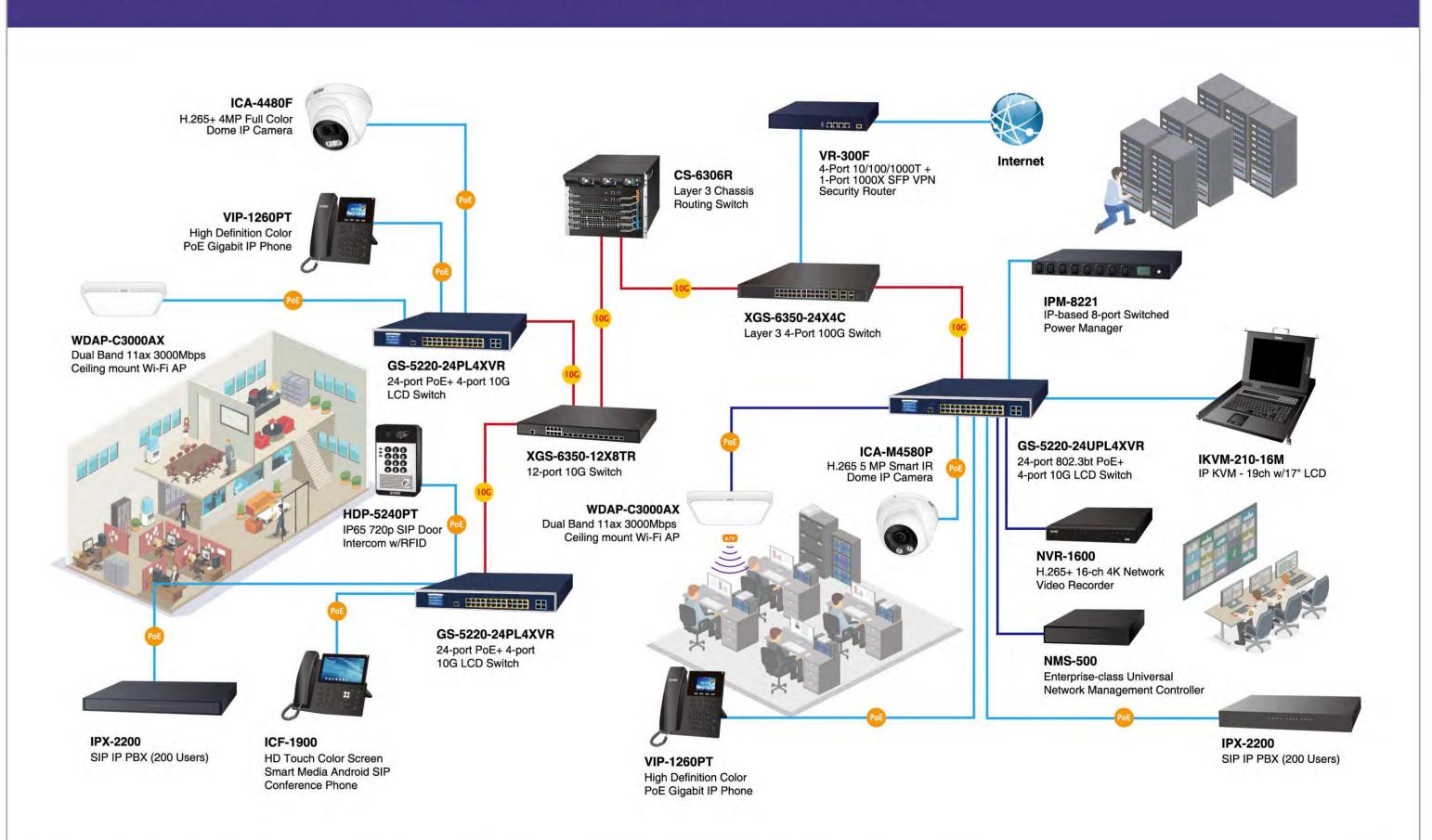
Green Power Solution Powerful L3 PoE Managed Switch Ultra-high-speed Wi-Fi 6 Wireless LAN Solution L3 802.3at PoE + 10G SFP+ Stackable Managed Switch Dual Band 802.11ax 1800Mbps In-wall Wireless Industrial Renewable Power Managed Switch/ Router with 802.3at PoE+ Access Point SGS-6341-24P4X WDAP-W1800AXU • Complies with IEEE 802.3at Power over Ethernet Plus,

 Dual IEEE 802.3at Power over Ethernet interfaces end-span PSE MPPT supports PV module input of up to 400W PoE schedule for energy saving Supports lithium and lead-acid battery • Up to 30 watts for each PoE port

• Compliant with the IEEE 802.11a/b/g/n/ac/ax wireless Multiple operation modes: AP, gateway and repeater Full encryption supported

Enterprises, SMBs, Smart Buildings

Enhanced business network for high-bandwidth and high-speed fast connection



Powerful Solution for Long-Reach Networks

• Up to 144 watt 4 port M12 802.3at PoE+

M23, 5-pin A-coded power input

SMTP/SNMP trap event alert

- L3 10G SFP+ + 100G QSFP28 Managed Switch XGS-6350-24X4C
- Powerful Gigabit Ethernet performance
- IEEE 802.1Q, Private VLAN and GVRP for VLAN
- IP Stack: up to 24 units and single IP stack

High Bandwidth for Core Networking

6-slot Layer 3 IPv6/IPv4 Routing Chassis Switch

- IP Multicast Routing: IGMP, PIM-DM/SM, DVMRP Gigabit wire-speed L3 IPv4 and IPv6 routing
- 6 open module slots design



Excellently Efficient Surveillance Video H.265 5 Mega-pixel Smart IR Dome IP Camera ICA-M4580P

- Remote smart focus for remote and precise focus
- 1/2.7" 5 mega-pixel SmartSens CMOS sensor • Built-in smart IR illuminators

