LAN Switches

XGS3-42000R
4-Slot Layer 3 IPv6/IPv4 Routing Chassis Switch

- Gigabit Wire-speed Layer 3 IPv4/IPv6 Routing
- Four Slots for optional Gigabit /10G/40G Modules
- IP Routing Protocols: Static Routing, RIPv1/v2, OSPFv2, BGP4 and VRRP
- IP Multicast Routing: IGMP, PIM-DM/SM, DVMRP
- IEEE 802.1x / RADIUS / TACACS+ / SSH / SSL

XGS3-24042
XGS3-24242
24G + 4 optional 10G Slots Layer 3 Backbone Switch

- Gigabit Wire-speed Layer 3 IPv4/IPv6 Routing
- IP Routing Protocols: Static Routing, RIPv1/v2, OSPFv2 and VRRP
- IP Multicast Routing: IGMP, RIM-DM/SM, DVMRP
- Layer 2/3/4 Access Control List
- IP Stack Management
- 100~240V AC/48V DC Power Redundant

XGS-6350-24X4C
Layer 3 24-Port 10G SFP+ + 4-Port QSFP28 Managed Switch

XGS-6350-12X8TR
Layer 3 12-Port 10G SFP+ Fiber Switch

- Gigabit Wire-speed Layer 3 IPv4 and IPv6 routing
- IP routing protocols: Static routing, RIPv1/v2, OSPFv2
- IP multicast features: IGMP snooping v1/v2/v3, multicast group policy
- IEEE 802.1Q, Private VLAN and GVRP for VLAN management
- L2, L3 and L4 Access Control List and IEEE 802.1x support
- IEEE 802.1d/1w/1s Spanning Tree Protocol
- SNMP v1/v2c/v3 and RMON Groups 1, 2, 3, 9

XGS-5240-24X2QR
24-port 10G SFP+ + 2-port 40G QSFP+ L2+ Backbone Switch

- IPv4/IPv6 Static routing
- IEEE 802.1Q VLAN, Private VLAN, GVRP
- IGMP snooping v1, v2 and v3; MLD snooping v1 and v2
- IPv4/IPv6 Web interface; SNMP v1, v2c and v3; SSH and SSL management
- IP stack: Up to 24 units and single IP address stack management

SGS-6341-48T4X
SGS-6341-24T4X
SGS-6341-16S8C4XR
52/28-Port Gigabit Stackable Layer 3 Enterprise Switch

- IP Routing Protocols: Static routing, RIP, OSPF, BGP and PBR
- IP Multicast Routing: IGMP, PIM-DM/SM, DVMRP
- IEEE 802.1Q VLAN, Private VLAN, GVRP
- IGMP snooping v1, v2 and v3; MLD snooping v1 and v2
- IPv4/IPv6 Web interface; SNMP v1, v2c and v3; SSH and SSL management
- IP stack: Up to 24 units and single IP address stack management

GS-5220-16T2XV/R
GS-5220-24T4XV/R
16G/24G + 2/4 10G SFP+ Layer 3 Enterprise Switch with LCD Touch Screen

- 16/24-port 10/100/1000T Enthernet port for Gigabit uplink
- 2/4-port 1/10G BASE-X SFP+ for Gigabit uplink
- Layer 3 OSPFv2 dynamic routing , 128 static IP routes and route summarization
- ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)
- Convenient and Smart ONVIF devices with detection feature
- SNMPv3/SSH/SSL secure access

SGS-5240-24T4X
SGS-5240-48T4X
SGS-5240-20S4C4XR
24/48G + 4 10G Stackable L2+ Managed Switch

- Up to 6 units, 288 Gigabit ports and 12 10Gbps SFP+ slots connectivity per stack group
- Single IP management / Plug and Play hardware stacking
- IPv4/IPv6 Layer 3 Static Routing
- IEEE 802.1Q VLAN / Private VLAN / Q-in-Q
- IGMP snooping v2 and v3 / MLD snooping
- IEEE 802.1s MSTP and loop protection
- IPv6 Web interface / SNMP v1, v2c and v3 / SSH / SSL Management

GS-5220-16T4S2X
GS-5220-20T4C4X
20G/24G + 2/4 10G SFP+ L2+ Backbone Switch

- Web / SNMP v1, v2c, v3 / Telnet Remote IP Management
- IEEE 802.1D/1w/1s STP, Layer 2/3/4 ACL
- IEEE 802.1Q VLAN / Private VLAN / Q-in-Q
- 802.1x / RADIUS / TACACS+ Authentication
- IGMP Snooping v1, v2 and v3 / MLD Snooping v1 and v2
- IPv4/IPv6 Layer 3 Static Routing

GS-5220-16S8C
GS-5220-16S8CR
24G Fiber L2+ Backbone Switch

- 100BASE-FX / 1000BASE-SX/LX SFP Auto Detection
- Hardware Stackable up to 16 units, 384 SFP slots
- IEEE 802.1Q VLAN / Private VLAN / Q-in-Q
- Policy-based QoS Control List / Bandwidth Control
- Layer 2/3/4 Access Control List
- 100~240V AC / 48V DC Power Redundant (GS-5220-16S8CR)

GS-4210-16T2S
GS-4210-24T2S/24T4S
GS-4210-48T4S
28-/52-Port Gigabit Managed Switch

- IEEE 802.1Q VLAN, GVRP, voice VLAN and private VLAN
- IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping
- 802.1x RADIUS and TACACS+ authentication, L2~L4 ACL
- IPv6 web management / SNMP v1, v2c and v3 / SSH / SSL management
- Cable diagnostics, smart fan and power alarm

MGSW-10080F
MGSW-24160F
10-/24-Port Managed Metro Switch

- IP30 Metal Case and Fanless Design
- Redundant Power System: Dual 36V~72V DC or 100V~240V AC
- -10~60 degrees C operating temperature
- IPv4/IPv6 Dual Stack Management
- IEEE 802.1D/1w/1s Ethernet Redundancy
- Layer 2/3/4 ACL and Port Security

MGSW-28240F
24G SFP Fiber-optic Slots + 4-Port 10G SFP + Managed Metro Switch

- Independent 4-port 1G/2.5G/10G Fiber-optic SFP Interfaces
- Front-access Interface improves operating efficiency
- Digital Input/Output controlling and redundant power input system
- -10~60 degrees C operating temperature
- Supports SSH / SSL / 802.1Q VLAN / 802.1x / ACL control

Power over Ethernet

GS-5220-8P2T2S
WGSW-20160HP
8G/16G 802.3at PoE+ Managed Switch

- IEEE 802.3at/af Power over Ethernet / End-Span PSE
- 150-watt/230-watt PoE Budget / Remote PoE Power Control
- IEEE 802.1D/1w/1s Spanning Tree Protocol
- IEEE 802.1Q VLAN / Private VLAN / Q-in-Q
- Layer 2/3/4 Access Control List / QoS Control List
- IPv6 Web interface / SNMP / SSH / SSL Management

`95W` `30W`

GS-4210-24HP2C
GS-4210-8HP2S
10/100/1000T 802.3bt PoE + 10/100/1000T 802.3at PoE + Gigabit TP/SFP Combo Managed Switch

- 515/240-watt PoE budget
- IEEE 802.1w/1s Spanning Tree Protocol
- IEEE 802.1Q 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-4210-24P4C
GS-4210-24PL4C
24G 802.3at PoE + 4G TP/SFP L2/L4 Managed Switch

GS-4210-48P4S
48G 802.3at PoE + 4G SFP L2/L4 Managed Switch

- 24-/48-port 802.3at PoE, 220-/440-watt PoE budget
- PoE Schedule / Scheduled Power Recycling / PD Alive Check
- IEEE 802.1Q VLAN, GVRP, voice VLAN and private VLAN
- IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping
- 802.1x RADIUS and TACACS+ authentication, Layer 2/3/4 ACL
- IPv6 web management / SNMP v1, v2c and v3 / SSH / SSL management
- Cable diagnostics, smart fan and power alarm

GS-4210-16P2S
16G 802.3at PoE+ 2G SFP L2/L4 Managed Switch

GS-4210-16P4C
16G 802.3at PoE+ 4G TP/ SFP L2/L4 Managed Switch

- 16-port 802.3at PoE, 220-watt PoE budget
- PoE Schedule / Scheduled Power Recycling / PD Alive Check
- IEEE 802.1Q VLAN, GVRP, voice VLAN and private VLAN
- IEEE 802.1s MSTP, IPv4 IGMP snooping / IPv6 MLD snooping
- 802.1x RADIUS and TACACS+ authentication, Layer 2/3/4 ACL
- IPv6 web management / SNMP v1, v2c and v3 / SSH / SSL management
- Cable diagnostics, smart fan and power alarm

GS-4210-8P2T2S
GS-4210-8P2S
8G 802.3at PoE+ Managed Desktop Switch

- 240-watt/125-watt PoE budget / Remote PoE Power Control
- PD Alive Check / Scheduled Power Recycling/ Time-based PoE Schedule
- IEEE 802.1Q 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

`95W`

GS-4210-16UP4C
GS-4210-24UP4C
16G/24G 60W Ultra PoE + 4G TP/SFP L2/L4 Managed Switch

- 16-/24-port 802.3bt PoE++, 400-watt/600-watt PoE budget
- Compatible with 802,3at PoE+ type II
- PoE Schedule / Scheduled Power Recycling / PD Alive Check
- IEEE 802.1Q VLAN, GVRP, voice VLAN and private VLAN
- IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping
- IPv6 web management / SNMP v1, v2c and v3 / SSH / SSL management

FGSD-1008HPS
FGSW-1816HPS
FGSW-2624HPS
FGSW-2624HPS4
8-/16-/24-Port 802.3at PoE + 2G Managed Switch

- 120-/220-/370-watt PoE budget
- PoE Management / PoE Status / PoE Schedule
- IEEE 802.1Q VLAN / Port-based VLAN
- IEEE 802.1D/1w Spanning Tree Protocol
- IEEE 802.3ad Link Aggregation Control Protocol
- IGMP snooping v1 and v2

FGSD-1022VHP
FGSW-1822VHP
FGSW-2622VHP
8-/16-/24-Port 802.3at PoE + 2G TP/SFP LCD PoE Switch

- 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
- Metal case, internal power design

FGSW-2022VHP
12-Port 10/100TX 802.3at PoE + 4-Port 10/100TX 802.3bt PoE + 2-Port Gigabit TP + 2-Port SFP Ethernet Switch with LCD Management

- 2-inch color LCD with smart management functions
- VLAN isolation mode for IP surveillance application
- IEEE 802.3at/bt PoE standard compliant
- Ports 1 to 4 support up to 60 watts; ports 5 to 16 support up to 30 watts
- 300-watt PoE budget
- Auto Poe detection and Plug & Pay installation

GSD-1222VHP
GSW-1820VHP
GSW-2620VHP
8/16/24G 802.3at LCD PoE+ Switch

- LCD Monitor for system status and PoE usage status display
- 10/16/24-port 10/100/1000BASE-T Gigabit Ethernet RJ45 copper
- End-span (120/300-watt PoE budget)
- Per PoE port supports up to 30-watt
- VLAN Isolation Mode IP surveillance application
- Metal case, internal power design

GSD-2022P
16-Port 10/100/1000T 802.3at PoE + 2-Port 10/100/1000T + 2-Port 1000X 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
8–Port/8G 802.3at PoE Desktop Switch

- 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
8–Port 802.3at PoE + 1G TP + 1G SFP Desktop Switch

- IEEE 802.3at/802.3af PoE standard compliant
- 8-port 10/100BASE-TX End-span PSE and 120-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 10-inch desktop size design

FSD-504HP
FSD-604HP
4–Port 802.3at PoE Desktop Switch

- 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

95W

UPOE-800G
UPOE-1600G
UPOE-2400G
8/16/24G 802.3bt PoE++ Managed Injector Hub

- 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

HPOE-1200G
HPOE-2400G
12–/24–Port 802.3at PoE+ Managed Injector Hub

- Up to 30.8 watts per port
- Mid-Span Power Injector Box
- Web Management, SNMP Trap
- Remote PoE Power Management and Monitoring

95W

POE-171 / POE-173
POE-171S / IPOE-173S
60–watt Ultra Power over Ethernet Injector/Splitter

- Up to 60W of Power on 4-pair UTP
- Supports 10/100/1000BASE-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
- ESD/EFT protection: 6KV DC

POE-171A-60
POE-171A-95
Single–Port Multigigable 802.3bt PoE Injector

- Up to 60/95 watts of power on 4-pair UTP
- Supports 10/100/1G/2.5G/5G applications
- Compatible with IEEE 802.3bt
- Data and power over one Ethernet cable up to 100 meters
- Enables to power 12V,19V and 24V terminals via POE-171S PoE Splitter

POE-175-95
Single–Port 10/100/1000Mbps 802.3bt PoE Injector

- Supplies 95-watt PoE power budget
- Compatible with IEEE 802.3bt Power over Ethernet
- Supports 10/100/1000Mbps application

IPOE-171-95W
Industrial Single–Port Multigigable 802.3bt PoE Injector

- Supplies 95-watt PoE power budget
- Compatible with IEEE 802.3bt Power over Ethernet
- DC 24 to 48V redundant power
- -40 to 75 degrees C operating temperature

IPOE-175
IPOE-165
Industrial IP67 Injector

- 1-port IEEE 802.3/802.3u/802.3ab 10/100/1000BASE-T
- 1-port IEEE 802.3af/at/bt PoE PSE (IPOE-175)
- 1-port IEEE 802.3af/at PoE/end-span PSE (IPOE-165)
- Maximum PoE budget up to 60 watts (IPOE-175)/30 watts (IPOE-165)
- DC 24V to 56V power booster
- 6KV ESD and surge protection
- -40 to 75 degrees C operating temperature
- IP67 and IK10 aluminum case; waterproof and dustproof designs

IPOE-175S
Industrial IP67 802.3bt PoE++ Splitter

- Passive IEEE 802.3/802.3u/802.3ab, 10/100/1000BASE-T
- Supports 12V DC, 5A max. power output
- IP67 and IK10 aluminum case; waterproof and dustproof designs
- -40 to 75 degrees C operating temperature
- Maximum PoE budget up to 60 watts

POE-173S
802.3bt PoE++ Splitter

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

IGUP-805AT
IGUP-1205AT
IGUP-2205AT
Industrial 100/1000X SFP to 10/100/1000T 802.3bt PoE++ Media Converter

- 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
- -40 to 75 degrees C operating temperature

GTP-805A
IGTP-805A
IGTP-815AT
1000X to 10/100/1000T 802.3at PoE+ Media Converter

- IEEE 802.3at PoE+, up to 30W over UTP cable
- Link Fault Passthrough (LFP) supported
- Wall mount and easy installation
- 24V/48V DC, redundant power (IGTP-805A)
- -40 to 75 degrees C operating temperature
- IP30 rugged metal case

POE-E101/E201/E202
802.3bt/at/af PoE Extender

- IEEE 802.3at/af Power over Ethernet compatible
- Extends the range of PoE an additional 100 meters
- Forwards both Ethernet data and PoE power to remote devices
- Automatically detects and protects PoE equipment
- No external power cable required for installation

IPOE-E302
Industrial 1-Port 802.3bt PoE++ to 2-Port 802.3at Gigabit PoE Extender

- 1-port IEEE 802.3bt PoE++ standard PD
- 2-port IEEE 802.3af/at PoE PSE
- Maximum PoE budget up to 65 watts
- Extends the range of PoE for an additional 100 meters (328ft.)
- No external power cable required for installation
- -40 to 75 degrees C operating temperature
- IP67 and IK10 aluminum case; waterproof and dustproof design

LRP-101C-KIT
1-Port Long Reach PoE over Coax Extender Kit

LRP-101U-KIT
1-Port Long Reach PoE over UTP Extender Kit

- Re-use Existing Coaxial Cable for IP Camera
- 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
- -10 to 60 degrees C Operating Temperature

LRP-104CET
Industrial 1-Port Coax/UTP Long Reach PoE + 4-Port 10/100TX PoE Extender

- 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

LRP-201ET
LRP-201HT
Industrial 1-Port 10/100/1000T Ultra PoE + 1-Port Coax/UTP Long Reach PoE Kit

- Supplies 95-watt PoE power budget
- Compatible with IEEE 802.3bt Power over Ethernet
- Supports 10/100/1000Mbps application
- Monitors the status of the total PoE usage in real time
- Wall-mount design and built-in internal power supply

LRP-422CST
LRP-822CS
LRP-1622CS
4-/8-/16-port Coax + 4G Long Reach PoE over Coaxial Managed Switch

- Eliminates power cabling with PoE over Coaxial
- Ethernet over coaxial up to 1km (3,280ft) with 5C2V/RG6 75Ω cable
- Supports PoE power up to 25 watts
- 144-watt/240-watt/440-watt power budget, intelligent PoE management
- IEEE 802.1Q VLAN, IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping

ENW-9720P
ENW-9740P
2/4-port 10/100/1000T 802.3at PoE+ PCI Express server adapter

- PCI Express (PCIe) x4 slot
- Intel I350 server-grade Gigabit Ethernet MAC Controller
- 2/4 independent 10/100/1000BASE-T RJ45 interfaces
- IEEE 802.3at compliant with up to 30W power per port
- Supports 12V DC 4-pin Molex input (ENW-9740P only)
- Powered device (PD) auto detection and classification

Industrial Automation

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

- 1-port 10/100BASE-TX (ICS-2100T)
- 1 RS232 with DB9 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

ICS-2200T
ICS-2400T
Industrial 2-/4-port RS232/422/485 Serial Device Server

- Supports isolation and surge protection
- Supports Standalone or 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 RS422 or RS485 with terminal block interface
- RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
- 9 to 48V DC / 24V AC, redundant power
- -40 to 75 degrees C operating temperature

IMG-2200T
IMG-2400T
Industrial 2-/4-Port RS232/422/485 Modbus Gateway

- 2-port 10/100BASE-TX
- 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
- -40 to 75 degrees C operating temperature

IECS-1116DI
IECS-1116DO
Industrial EtherCAT Slave I/O Module with Isolated 16-ch Digital Input/ Output

- Built-in isolated 16 digital inputs/outputs
- LED indicators for the output status
- Removable terminal block connector
- 9~48V DC Wide input voltage range
- EtherCAT Distributed Clock (DC) mode and SyncManager mode
- EtherCAT conformance test tool verified

Industrial Ethernet

IGS-6325-20T4C4X
IGS-6325-20S4C4X
19" 24G + 4-port 10G SFP+
L3 Managed Ring Switch

- 4-port 1G/2.5G/10G BASE-X SFP+ for Gigabit uplink
- IEEE 802.1Q VLAN, Private VLAN
- Layer 3 OSPFv2 dynamic routing , 128 static IP routes and route summarization
- ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)
- SNMPv3/SSH/TLS secure access

IGS-6325-24P4X
19" 24G 802.3at PoE
+4-port 10G SFP+
Layer 3 Managed Ring Switch

IGS-6325-24P4S
19" 24G 802.3at PoE
Layer 3 Managed Ring Switch

- Layer 3 OSPFv2 dynamic routing, IPv4/IPv6 static IP routes and route summarization
- PoE schedule, scheduled power recycling, PD alive check
- Supports 1588 Precision Time Protocol for industrial computing networks
- ERPS ring data recovery time <10ms
- Fanless and 48~56V DC redundant power
- IP30 metal case; rack-mount design; -40 to 75 degrees C wide temperature

IGS-6325-8T8S4X
IGS-6325-8T4X
8G/16G + 4 10G SFP+
Layer 3 Managed Ring Switch

IGS-6325-16T4S
IGS-6325-8T8S
8G/16G TP + 4G/8G SFP
Layer 3 Managed Ring Switch

- 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

IGSW-24040T
19" 24G with 4-Port SFP
L2+ Managed Ring Switch

- G.8032 ERPS ring supported
- Supports Modbus TCP/IP protocol for factory automation
- Layer 2/3/4 ACL and port security
- Web / SNMP v1, v2c, and v3 / Telnet remote IP management
- Redundant Power System: Dual 36V~72V DC or 100V~240V AC
- -40~75 degrees C operating temperature

IGS-20040MT
16G TP + 4G SFP
L2+ Managed Ring Switch

IGS-12040MT
8G TP + 4G SFP
L2+ Managed Ring Switch

- IPv4/IPv6 Layer 3 Static Routing
- 802.1Q VLAN / 802.1s MSTP / 802.3ad LACP
- Layer 2/3/4 Access Control List
- Supports Modbus TCP/IP protocol for factory automation
- 12~48V DC redundant power design, 2 DI and 2 DO
- -40~75 degrees C operating temperature

`30W`

IGS-6325-16P4S
IGS-20160HPT
16G 802.3at PoE+ + 4G SFP
L3 Managed Ring Switch

- 16-port 10/100/1000 BASE-T RJ45 PoE+ Gigabit uplink
- 4-port 1G BASE-X SFP for Gigabit uplink (IGS-6325-16P4S)
- IEEE 802.1Q VLAN, Private VLAN
- Layer 3 OSPFv2 dynamic routing , 128 static IP routes and route summarization
- ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)
- SNMPv3/SSH/SSL secure access

`95W` `10G`

IGS-6325-8UP2S2X
8G 802.3bt PoE + 2G SFP
+ 2-port 10G SFP+
L3 Managed Ring Switch

IGS-6325-8UP2S
8G 802.3bt PoE + 2G SFP
L3 Managed Ring Switch

- 802.3bt PoE++ Type-4 PSE
- PoE schedule, scheduled power recycling, PD alive check
- Hardware Layer 3 IPv4/IPv6 Static Routing and OSPFv2
- ERPS ring data recovery time <10ms
- 48~56V DC Redundant power design; 2 DI and 2 DO
- IP30 metal case; -40 to 75 degrees C wide temperature

`30W` `10G`

IGS-5225-8T2S2X
IGS-5225-8P2S2X
8G TP/PoE + 2G SFP +
2-Port 10G SFP+
L3 Managed Ring Switch

- 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 36~60V DC/48~56V DC
- -40 to 75 degrees C operating temperature

IGS-5225-8P4S
IGS-5225-8P2T2S
8G 802.3at/af PoE+ 2G/4G SFP
L2+ Managed Ring Switch

- IEEE 802.3at/af Power over Ethernet / End-Span PSE
- PoE Schedule / Schedule Power Recycling / PD Alive Check
- Supports Modbus TCP/IP protocol for factory automation
- 48V DC redundant power input design, 2 DI and 2 DO
- IEEE 802.1Q VLAN / Private VLAN / Q-in-Q / Protocol-based VLAN / MAC-based VLAN
- -40 ~ 75 degrees C operating temperature

`95W` `30W`

IGS-5225-4UP1T2S
IGS-5225-4P2S
IGS-5225-4T2S
4G TP/UPOE + 2G SFP
L2+ Managed Ring Switch

- IPv4/IPv6 Layer 3 Static Routing
- G.8032 ERPS ring supported
- Supports Modbus TCP/IP protocol for factory automation
- Redundant power design: Dual 12~48V DC/48~56V DC
- -40 to 75 degrees C operating temperature
- 4-port 90-watt IEEE 802.3bt PoE, up to 240-watt PoE budget (IGS-5225-4UP1T2S)

IGS-10020HPT
IGS-10020PT
8G 802.3at/af PoE+ 2G SFP
L2+ Managed Ring Switch

- IEEE 802.3at/af Power over Ethernet / End-Span PSE
- PoE Schedule / Schedule Power Recycling / PD Alive Check
- Supports Modbus TCP/IP protocol for factory automation
- 48V DC redundant power input design, 2 DI and 2 DO
- IEEE 802.1Q VLAN / Private VLAN / Q-in-Q / Protocol-based VLAN / MAC-based VLAN
- -40 ~ 75 degrees C operating temperature

IGS-10020MT
8G TP + 2G SFP Managed
Ring Switch
IGS-10080MFT
8G SFP + 2G TP Managed
Ring Switch

- IPv4/IPv6 Management
- Secure SNMP v1, v2c and v3 / SSH / SSL Management
- 802.1Q VLAN / 802.1s MSTP / 802.3ad LACP
- Layer 2/3/4 Access Control List
- 12 ~ 48V DC redundant power design
- -40 ~ 75 degrees C operating temperature

IGS-4215-16T2S
16G TP + 2G SFP
L2/L4 Managed Switch

- Secure SSH, SSL, SNMPv3 remote management
- IEEE 802.1Q VLAN, GVRP, Voice VLAN and Private VLAN
- IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping
- IP-/MAC-based ACL; DHCP snooping and IP Source Guard
- 12~48V DC/24V AC redundant power design
- -40 to 75 degrees C operating temperature

IGS-4215-4P4T
4G 802.3at PoE + 4G TP
L2/L4 Managed Switch
IGS-4215-4P4T2S
IGS-4215-8P2T2S
4/8G 802.3at PoE + 4/2G TP +
2G SFP L2/L4 Managed Switch

- 4/8-port IEEE 802.3at PoE+, 144/240-watt PoE budget
- PoE Schedule / Schedule Power Recycling / PD Alive Check
- 48~56V DC redundant power design
- IEEE 802.1Q VLAN, GVRP, Voice VLAN and Private VLAN
- IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping
- -40 to 75 degrees C operating temperature

IGS-824UPT
4-Port 10/100/1000T 802.3bt
PoE + 2-Port 10/100/1000T
+ 2-Port 100/1000X SFP
Gigabit Ethernet Switch

- IEEE 802.3bt PoE++ standard type 4 PSE
- 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
- Supports 1000BASE-X and 100BASE-FX transceiver type auto-detection

IGS-1020PTF
IGS-1020PTF-12V
Industrial 8-Port 802.3at
PoE + 2-Port 100/1000X
SFP Ethernet Switch

- Up to 240-watt PoE budget
- 250m in distance w/22-watt power output in Extend mode
- 48~56V DC redundant power design
- IP30 metal case; DIN-rail and wall-mount designs
- -40 to 75 degrees C operating temperature
- 4 real-time PoE power usage indicators

IFGS-1022HPT
8-Port 10/100TX 802.3at
PoE + 2G TP/ SFP combo
Ethernet Switch

- 8-Port 802.3at PoE+ end-span PSE w/30W output
- 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
- -40 ~ 75 degrees C operating temperature

Broadband Communications

GPL-8000
8-Port GPON OLT with
4-Port Gigabit TP/SFP
Combo + 4-Port 1000X
SFP + 4-Port 10G SFP+

- 8 PON ports, 8 1G SFP ports, 8 1G/10G SFP+ ports and 4 Gigabit RJ45 interfaces
- Complies with ITU-T G.984/G.988
- Per PON supports 128 ONT/HGU devices
- Asymmetric downlink 2.5Gbps/uplink 1.25Gbps
- Distance up to 20km
- IEEE 802.1Q tagged VLAN and Q-in-Q VLAN supported
- User-friendly GUI management
- Optional redundant power design with dual-AC or AC+DC supported

GPN-400ACV
GPON HGU with 4-Port GbE,
1200Mbps 802.11AC Wireless
and 2-Port FXS (1 x USB)

- Built-in 4-port 100/1000Mbps Ethernet
- 2 FXS ports for VoIP communication
- 1 USB 2.0 port for configuration backup
- Complies with ITU G.984/988
- Up to 2.5Gbps downstream and 1.25Gbps upstream
- Compatible with 802.11a/b/g/n wireless technology with data rate of up to 1200Mbps

GPN-100
GPON SFU ONT
with 1GbE Port

- One 10/100/1000 RJ45 port
- Up to 2.5Gbps downstream and 1.25Gbps upstream
- Distance up to 20km
- Compliant with ITU-T G.984/988
- Supports IGMP snooping and SLA
- Supports DBA and QoS

EPL-2220
EPL-4000
EPL-8000
2/4/8-Port GEPON OLT

- 2 x PON Port and 4 x Gigabit SFP Interface
- Per PON Supports 64 ONU Devices
- Up to 1.25Gbps Upstream and Downstream
- Distance up to 20km
- User-friendly GUI Management
- IEEE 802.1q support

EPN-110
1-Port GEPON ONU

- Fully compliant with IEEE 802.3ah
- Up to 1.25Gbps Upstream and Downstream
- Distance up to 20km
- Dynamic Bandwidth Allocation (DBA) Support
- 1-port GE

Power over Ethernet

SGS-6341-24P4X
24G 802.3at PoE + 4G SFP Stackable Layer 3 Managed Switch

- 24 port 802.3at PoE+, 370/720-watt PoE budget
- IP Routing Protocols: Static Routing and RIP v1, v2; OSFP v1, v2 dynamic routing
- IEEE 802.1Q 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

GS-6322-24P4X
95W

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

- Power management supports RPS (1+1) or EPS (2+0) mode
- Supports PoE power up to 95 watts per port
- ERPS ring data recovery time <10ms
- IP Routing Protocols: static routing and OSPFv2
- PoE schedule, scheduled power recycling, PD alive check
- IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs

GS-6320-24UP2T2XV
95W

L3 24-Port 10/100/1000T 802.3bt PoE + 2-Port 10GBASE-T + 2-Port 10G SFP+ Managed Switch with LCD Touch Screen and Redundant Power

- 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

GS-5220-24UP(L)4XV(R)
GS-5220-16UP2XV(R)
95W

L3 16G/24G UPoE + 2 10G SFP+ Managed Switch with LCD Touch Screen

- 2.4-inch color LCD touch screen with management functions
- Supports up to 95 watts of PoE power
- IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs
- PoE schedule, scheduled power recycling, PD alive check
- Supports ONVIF detection
- 100~240V AC for switch system and PoE; 36~60V DC for switch system

GS-5220-16UP4S2X
GS-5220-24UP4X
95W

16G/24G UPOE + 2/4 10G SFP+/ 24G 802.3at PoE + 4 10G SFP+ L3 Managed Switch

- 16-/24-port 60W 802.3bt PoE, 400-watt PoE budget (GS-5220-16UP4S2X / GS-5220-24UP4X)
- 24-port IEEE 802.3at PoE, 400-watt PoE budget (GS-5220-24P4X)
- PoE Schedule / Schedule Power Recycling / PD Alive Check
- IPv4/IPv6 Layer 3 Static Routing
- IEEE 802.1s MSTP and loop protection
- Multicast VLAN registration and voice VLAN

GS-5220-24P(L)4XV(R)
GS-5220-16P2XV(R)

L3 16G/24G PoE + 2 10G SFP+ Managed Switch with LCD Touch Screen

- 2.4-inch color LCD touch screen with management functions
- Supports up to 36 watts of PoE power for each PoE port
- IPv4/IPv6 Layer 3 static routing and route summarization
- IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs
- PoE schedule, scheduled power recycling, PD alive check
- Supports ONVIF detection

GS-5220-24P(L)4X(R)
GS-5220-48P(L)4XR

L3 24G/48G UPoE + 4 10G SFP+ Managed Switch

- Convenient and Smart ONVIF Devices with Detection Feature
- Supports PoE Power up to 36 watts for each PoE port
- IPv4/IPv6 Layer 3 static routing and route summarization
- IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs
- 100~240V AC, 36~60V DC redundant power for system
- PoE schedule, scheduled power recycling, PD alive check

GS-5220-8P2T2X
GS-5220-8UP2T2X

L3 8-Port 10/100/1000T 802.3at/bt PoE + 2-Port 1G/10G SFP+ Managed Switch

- 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
- Layer 3 IP Routing, IGMP/ MLD Snooping port filtering
- Supports IPv6 ,VLAN, SSH/SSL, SNMP

SGS-5240-24P4X

Layer 2+ 24-Port 10/100/1000T 802.3at PoE + 4-Port 10G SFP+ Stackable Managed Switch

- Hardware IPv4/IPv6 Layer 3 static routing
- 370-watt PoE budget, remote PoE power control
- IEEE 802.1Q VLAN, Q-in-Q, GVRP
- IEEE 802.1w/1s/1D Spanning Tree Protocol
- Layer 2/3/4 Access Control List and QoS
- IGMP snooping v1, v2 and v3; MLD snooping v1 and v2
- Single IP management: Hardware stacking or switch cluster

MGS-5220-8P2X

L2+ 8-Port 2.5G 802.3at PoE + 2-Port 1G/10G SFP+ Managed Multigigabit Switch

- 8-Port 10/100/2500BASE-T with 36W PoE injector
- 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/SSL, SNMP

WGSW-24040HP4

24G 802.3at PoE + 4G shared SFP Managed Switch

- IEEE 802.3at/af Power over Ethernet / End-Span PSE
- 440-watt PoE Budget / Remote PoE Power Control
- Power Feeding On/Off, Power Schedule, PD Alive Check Function
- IPv6 Web Interface / SNMP v1, v2 and v3 / SSH / SSL Management
- IEEE 802.1Q VLAN / Private VLAN / Q-in-Q / Protocol-based VLAN / MAC-based VLAN
- IGMP Snooping v1, v2 and v3 / MLD Snooping v1and v2

Industrial Ethernet

IGS-504HPT
IGS-614HPT
4G 802.3at PoE + 1G TP + 1G SFP Industrial Switch

- 4-port 10/100/1000 802.3at PoE+, 120-watt PoE budge
- 12~56V DC redundant power design
- 1-port 100/1000X SFP (IGS-614HPT)
- IP40 metal case; DIN-rail and wall mounting installation
- -40~75 degrees C operating temperature

30W

IGS-604HPT-RJ
IGS-604HPT-M12
IGS-5227-4MP2MT
Industrial IP67-rated 6-Port 10/100/1000BASE-T Managed Switch with 4-Port 802.3at PoE+

- IP67 aluminum case, outdoor installation
- Waterproof/dustproof RJ45/M12 Ethernet connector
- Supports Modbus TCP/IP protocol for factory automation
- EN50155 compliant
- 4 x 30W IEEE 802.3at PoE+ PSE port
- PoE Schedule / Scheduled Power Recycling / PD Alive Check
- Secure SSL / SSH / SNMP v3 Management
- ERPS ring supported
- MSTP / BPDU Guard / Loop Protection

IGS-5227-6MT
IGS-5227-6MT-X
Industrial IP67-rated 6-Port 10/100/1000BASE-T L2+ Managed Ring Switch

- IP67 aluminum case, outdoor installation
- Waterproof/dustproof M12 A-coded/X-coded Ethernet connector
- G.8032 ERPS ring supported
- Supports Modbus TCP/IP protocol for factory automation
- Redundant power design: Dual 12~48V DC
- -40 to 75 degrees C operating temperature

ISW-808PF-M12
ISW-804PT-M12
ISW-800T-M12
Industrial IP67-rated Fast Ethernet Switch

- 8 10/100Mbps M12 interfaces
- EN50155 compliant
- 4/8-port 802.3at PoE+ ports
- 12~48V DC redundant power design
- -40~75 degrees C operating temperature
- IP67 metal case/DIN rail and wall mount design
- Waterproof/dustproof design

WGS-5225-8P2SV
WGS-5225-8T2SV
WGS-5225-8P2S
8G PoE + 2G SFP L2+ Flat-type Managed Switch (with LCD Touch Screen)

- 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 100/1000/2500 BASE-X SFP
- ERPS Ring Data Recovery time < 20ms
- IPv4/IPv6 Layer 3 static routing
- Supports Modbus TCP/IP Protocol
- 48~56V DC dual power design
- -20~70 degrees C operating temperature

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

- 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
- Compact IP30 metal case with fanless design
- Fixed wall mounting, magnetic wall mounting and DIN-rail installation

30W

WGS-4215-16P2S
WGS-4215-8P2S
WGS-804HPT
L2/L4 Flat-type Managed PoE Switch

- 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
- Fixed wall mounting, magnetic wall mounting and DIN-rail installation

WGR-500-4P
WGR-500-4PV
WGR-500
Industrial Wall-mount Gigabit Router

- Dynamic IP, static IP, PPPoE, L2TP, PPTP
- Firewall with 802.1Q VLAN security
- Selectable Router/Switch operation mode
- 48~56V DC dual power design (PoE models)
- 120 watt max. PoE budget (PoE models)
- 2.4-inch color LCD touch screen (WGR-500-4PV)

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
- 6KV surge protection

ICG-2420-LTE
ICG-2420G-LTE
Industrial 4G LTE Cellular Gateway with 4-Port 10/100TX

- 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
- Global positioning system Included (ICG-2420G-LTE)
- -20 to 70 degrees C operating temperature

ICG-2510W-LTE
ICG-2510WG-LTE
Industrial 4G LTE Cellular Wireless Gateway with 5-Port 10/100/1000T

- 5-port Gigabit Ethernet, build in redundancy protocol-VRRP
- 2 DI/DO and 1 serial port (RS232 or RS485) for Modbus applications
- Dual module SIM for network load balancing and redundancy
- WiFi compliance IEEE 802.11b/g/n/ac dual-band for mobile client connectivity
- Multiple VPN with IPSEC, OpenVPN, PPTP, L2TP, GRE and VPN Failover
- Full security with VLAN, NAT, DMZ, Static routing, Firewall and IP/MAC/Port filtering
- GPS antenna allows to detect the location via sat nav system (ICG-2510WG-LTE)

VCG-1500WG-LTE

Vehicle 4G LTE Cellular
Wireless Gateway with
5-Port 10/100TX

- 4 10/100TX LAN ports and 1 10/100TX WAN port
- 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

BSP-360

Industrial Renewable
Energy/802.3at PoE+
Managed Switch/Router

- Dual IEEE 802.3at Power over Ethernet Interfaces
- MPPT Charge Controller
- 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

Media Conversion

MC-1610MR
MC-1610MR48

16-Slot Managed
Converter Chassis

- Web/SNMP/Console Management
- SNMP v1, v2c and SNMP Trap
- FST-80x / GST-70x / GST-80x series compatible
- TS-1000 / 802.3ah OAM Remote Terminal Management
- Two power slots for Redundant Power
- Optional AC / -48V DC supplies

FST-80x

10/100TX to 100FX
Smart Converter

GST-80x

10/100/1000T to 1000SX/
LX Smart Converter

- DIP Switch for Smart Function Setting
- Auto MDI/MDIX on TP Port
- LLR / LLCF for Fiber Connection Diagnostic
- Various optional fiber connectors on different models
- Manageable through MC-1610MR / MC-1610MR48

MC-1500
MC-1500R

15-Slot Unmanaged
Converter Chassis

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

FT-80x

10/100TX to 100FX
Media Converter

GT-80x

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

GT-1205A

3-Port Gigabit SFP
Media Converter

- Auto MDI/MDI-X / Auto-negotiation on TP Port
- Various optional fiber connectors on different models
- Rear DIP switch for FX Duplex Mode selection (FT-80X)
- Side DIP switch for LFP Mode selection (FT-80X)
- 10/19-inch Chassis compatible (MC-700 / MC-1500)
- Dual 100/1000BASE-X mini-GBIC SFP Slot
- One 10/100/1000BASE-T Copper Port
- 3-port Gigabit Data Switching or Redundant Mode

GT-90x

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

- Remote IP-based Web Management
- SNMP v1, v2c and SNMP Trap
- 802.1Q VLAN / Q-in-Q VLAN Management
- TS-1000 / IEEE 802.3ah OAM
- 802.1p / IP Address / IP DSCP QoS
- Bandwidth Control / Storm Control
- 10/19-inch Chassis compatible

XT-705A

10G Media Converter

IXT-705AT

Industrial 10G Media
Converter

- 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
- IP30 metal case
- Low power consumption

ICS-100/ICS-105A

10/100TX to RS232/422/
485 Media Converter

- Web-based Management
- Operates as Server Mode or Converter Mode
- Supports PLANET Smart Discovery Utility
- Wall Mount or DIN Rail Support
- 10/19-inch Chassis compatible (MC-700 / MC-1500)

VC-231/VC-234

10/100TX to VDSL2
Media Converter

VC-231G/VC-232G
VC-234G/VC-231GP

30W

- Cost-effective VDSL2 CO/CPE Bridge solution
- One Box Design, CO/CPE Selectable via DIP Switch
- Voice and Data communication can be shared on the existing telephone wire simultaneously
- Selectable Target Data Rate and Target SNR Margin

VF-10XG-KIT

1-Channel 4-in-1 Video over
Gigabit Fiber Bundle Kit

- 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

VF-402-KIT

4-Channel 4-in-1 Video
over Fiber Bundle Kit

- Compliant with 4-ch 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
- Video bandwidth of 60MHz, SNR>67dB
- Wide temperature range from -20 to 70 degrees C

Wireless LANs

WDAP-850AC
1200Mbps 802.11ac Wave 2 MU–MIMO Dual Band Outdoor AP

- Simultaneous 2.4GHz (Wi-Fi access) and 5GHz (backhaul) wireless network
- Gigabit wire and Wave 2 1200Mbps wireless connectivity (dual-band)
- 4 built-in N-type (F) antenna connectors
- 802.1Q VLAN mapping multiple SSIDs
- Ground terminal design
- 802.3at Power over Ethernet
- Centrally managed by PLANET AP Controller Series
  (NMS Series, WS Series, VR-300 & IVR-300 Series)

WBS-512AC
5GHz 802.11ac 900Mbps Outdoor Wireless CPE

- 5GHz 11ac Wi-Fi speed up to 900Mbps Wave 2.0, MU-MIMO
- Built-in 14dBi directional antenna for PtP connection
- Multiple operation modes: AP, Gateway, Repeater, WDS, WISP
- Supports multiple VLANs mapping to multiple SSIDs
- SNMP-based central management and PLANET UNI-NMS supported
- IEEE 802.3af/at PoE design
- "One-click PtP" to establish connection easily

WDAP-C7210E
1200Mbps 802.11ac Wave 2 MU–MIMO Dual Band Ceiling-mount Wireless Access Point

- 11ac Wi-Fi up to 1200Mbps Wave 2 MU-MIMO
- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Backward compatible with IEEE 802.11 a/b/g/n/ac
- Gigabit Ethernet Port with 802.3at PoE PD compliant
- Supports multiple VLANs mapping to multiple SSIDs
- SNMP-based central management and PLANET Smart Discovery supported

WDAP-W1200E
1200Mbps 802.11ac Wave 2 MU–MIMO Dual Band In–Wall Wireless AP

- 3 x 10/100/1000BASE-TX ports, with one 802.3at PoE/PD port supported
- In-wall design with 1 x RJ11 port Supported
- 802.1Q VLAN mapping multiple SSIDs
- AP/Gateway, Repeater, WDS, WISP mode
- Centrally managed by PLANET AP Controller Series
  (NMS Series, WS Series, VR-300 & IVR-300 Series)

WDRT-1202AC
1200Mbps 802.11ac Dual Band Wireless Gigabit Router

- Next Generation 802.11ac Wi-Fi up to 1200Mbps
- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 866Mbps
- 5dBi antennas for better performance
- Compliant with IEEE 802.11a/b/g/n
- Built-in 4-port 100/1000Mbps Gigabit switch
- 1 x USB 2.0 port supports storage and DLNA
- Supports DHCP server, DDNS, DMZ, Virtual Server and Port Triggering

WS-1232P
WS-2864PVR
Wireless AP Managed Switch with 24–/8–Port 802.3at PoE+ 4–/2–Port 10G SFP+

- AP discovery and control up to 32/64 APs
- Cybersecurity can be enhanced with SNMPv3, SSH and SSL features
- Layer 3 IPv4/IPv6 VLAN static routing manually and the OSPFv2 settings automatically
- Real-time AP status monitoring and easy deployment with map positioning
- RADIUS authentication and user control
- ERPS Ring Data Recovery time < 10ms

IP Telephony

VIP-1120PT
High Definition Color PoE IP Phone

- 2.4-inch color LCD monitor
- 2-line key with color LED
- 2 SIP identities
- Wideband G.722 HD audio
- IEEE 802.3at/af PoE compliant
- QoS, TR069, auto-provisioning and multi-language

VIP-2140PT
HD Color PoE IP Phone with Dual Display

- 2.8-inch (main) and 2.4-inch (DSS) key-mapping LCD monitor
- 30 configurable and 6 multicolored LED keys
- IETF SIP compliant with 4 identities/accounts
- Wideband G7.22 HD audio with Handset and Hands-free function
- Gigabit switch and IEEE 802.3at/af PoE compliant
- VPN, VLAN, QoS, TR069, auto-provisioning and multi-language

VIP-156/PE
VIP-157S
2–Ethernet Port SIP ATA

- IETF SIP compliant with Peer-to-Peer / SIP proxy calls
- Up to 5 Proxy server registrations
- T.38 FoIP / Auto-provisioning
- TR069 / Auto-upgrade firmware
- Integrated 802.3af PoE (VIP-156PE)
- 2 concurrent VoIP calls (VIP-157S)

ICF-1900
HD Touch Color Screen Android SIP Conference Phone

- 7-inch 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
- Dual 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

VGW-420FS
VGW-820FS
VGW-1620FS
VGW-2420FS
VGW-3220FS
4/8/16/24/32–Port
SIP VoIP Gateway

- IETE SIP 2.0 (RFC 3261) compliant with outbound proxy / STUN traversal
- T.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

IPX-330/IPX-2100
IPX-2200/IPX-2500
Internet Telephony
PBX System

- SIP 2.0 (RFC 3261) compliant
- 30/100/200/500 Registrations and 15/30/60/100 Concurrent Calls
- Supports 2 FXO ports for IPX-330
- Supports maximum 8 ports (on 2 slots - IPX-21FO/IPX-21SL/IPX-21GS) for IPX-2100/IPX-2200/IPX-2500
- Suppots SNMP v2, VPN Server/Client
- Customized IVR, Voice mail to e-mail
- Call Record, Paging and Intercom, Mail to Fax

UMG-1000
100 Users Unified
Office Gateway

- SSL / PPTP VPN, URL / IM / P2P Blocking and SPI Firewall
- Port FXO IP PBX and up to 100 Registration
- POP3, SMTP, IMAP and Webmail e-mail Service
- FTP & Network Storage
- LCR / BLF / BLA

IP Surveillance

ICA-3280
ICA-4280
H.265 1080p Smart IR
Bullet / Dome IP Camera

- HDTV video quality up to 1080p
- H.265/H.264/JPEG/MJPEG compression
- WDR, 3DNR, ICR, PLANET DDNS & Easy DDNS
- PoE & ONVIF compliant for interoperability
- Built-in smart IR illuminators, effective up to 25 meters
- IP67-rated housing with cable management bracket

ICA-A3280
ICA-A4280
H.265 1080p Smart IR
Bullet / Dome IP Camera
with Artificial Intelligence

- 1/2.8" 2 Megapixel progressive scan STARVIS™ CMOS
- Face Recognition & 5 Deep Artificial Intelligence
- H.265(+)/H.264(+)/JPEG/AVI/MJPEG triple-stream encoding
- WDR, 3DNR, ICR, 2-way audio, microSD, PLANET DDNS & Easy DDNS
- PoE & ONVIF compliant for interoperability
- Built-in smart IR illuminators, effective up to 25 meters
- IP67-rated housing with cable management bracket

ICA-M3580P
ICA-M4580P
H.265 5 Mega–pixel Smart
IR Bullet / Dome IP Camera
with Remote Focus and Zoom

- 1/2.8" 5 Megapixel progressive scan STARVIS™ CMOS
- 2.7-13.5mm 5X motorized zoom auto focus lens
- H.265(+)/H.264(+)/JPEG/AVI/MJPEG triple-stream encoding
- WDR, 3DNR, ICR, PLANET DDNS & Easy DDNS
- PoE & ONVIF compliant for interoperability
- Built-in smart IR illuminators, effective up to 40 meters
- IP67-rated housing with cable management bracket

NVR-2500
NVR-2516P
H.265 25–ch 4K Network
Video Recorder

- 16 independent PoE+ network interfaces (NVR-2516P)
- H.265/H.264 and dual streaming compression technology
- Up to 4K resolution recording and playback for clear monitoring
- PVMS and smart event for detailed monitoring
- Remote live viewing through Smart App for 24/7 viewing
- 1 eSATA, 4 SATA HDD drawer (3.5") and 4K HD/VGA output

ICA-3460V
ICA-4460V
H.265 4MP PoE Bullet/
Dome IR IP Camera
with Vari–focal Lens

- 2.8~12 mm vari-focal with wide angle surveillance
- Simultaneous H.264 and H.265 video compression with 4 mega-pixel
- Compliant with IEEE 802.3af/at PoE interface
- Up to 30~45 meter IR LEDs with ICR/WDR
- IP66, ONVIF, PLANET DDNS & Easy DDNS

ICA-HM620
Outdoor Speed
Dome IP Camera

- Sony Exmor™ CMOS with 1920 x 1080 (ICA-HM620)
- 20X Optical / 8X Digital Zoom (ICA-HM620)
- D1/720P mode up to 60fps
- Compliant with IEEE 802.3at PoE interface
- IP66 / IK10 / IPv6 / ONVIF compliant

ICA-W7100
720P Wireless IR PT
IP Camera
ICA-W8100
Wireless Cube Fisheye
IP Camera

- 3.6mm fixed lens with 1280 × 720 resolution
- IEEE 802.11b/g/n wireless LAN capability
- 10-meter / ICR for Day & Night function
- WDR / DNR / ONVIF compliant
- 355-degree pan, 90-degree tilt
- 180° Fisheye panoramic wide angle view
- Maximum resolution 1280 x 720
- WPS / PIR for thermal / motion detection

NVR-820
8–Channel Network Video
Recorder with HDMI

- 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 Integration & Multi-monitor with CMS
- Dual monitor for Live View & Playback

CAM-AHD325
AHD 1080p IR Bullet Camera
CAM-AHD425
AHD 1080p IR Dome Camera

- 1/2.8" Sony 2MP CMOS sensor
- Maximum resolution up to 1920 x 1080
- 36 built-in IR LEDs for low light and long distance up to 30 meters
- Supports AHD/TVI/CVI/CVBS mode
- IP66-certified protection

HDVR-435
HDVR-1635
H.265 4/16-ch 5-in-1
Hybrid Digital Video Recorder

- 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

NVR-E6480
64-Ch Windows-based
Network Video Recorder
with 8-Bay Hard Disks

- Manages up to 64 cameras
- 8-bay rackmount (2U) with software RAID (0,1)
- Instant playback in live view window
- Location-based management with eMap
- Supports dual stream management
- Remote access via mobile app, Web browser or CMS

ICA-E6260
2 Mega-pixel PoE Plus
Speed Dome IP Camera
with Extended Support

- 33X optical zoom, endless pan & tilt
- Max. frame rate 60fps at 1080p
- Weatherproof (IP67), vandalproof (IK09)
- Superior low light sensitivity
- WDR enhancement , 3D noise reduction
- Built-in microSD card slot for on-board storage
- Built-in PTZ auto tracking and enhanced intelligent video application

Home Automation

HAC-1000A
HAC-1000E
Z-Wave Home Automation
Control Gateway

- Z-Wave Plus™ certified
- Energy and cost saving by automatically/manually turning off
- Provides pre-defined scene modes and real-time image monitoring
- Ensure entry doors are closed and locked remotely
- Control via PC, control pad, smart phone

VTS-700P
7-inch Indoor Touch Screen
PoE Video Intercom

- Power over Ethernet IEEE 802.3af/at
- Hands-free two-way video Intercom; unlock door from the intercom
- Up to 3 scenes managed via PLANET Z-Wave Plus™ Gateway
- 8-zone alarm interface available for security control (DI x 6 + DO x 2)
- Standard SIP compatible with most modern IP Intercom systems
- Real-time image monitoring of home and community public cameras

HDP-1160PT
720p SIP Vandalproof
Door Phone with PoE

- 112-degree wide-angle HD camera with infrared light and night vision
- HD voice using wideband G.722 coding produces clearer sound
- Secure communication with TLS & Secure RTP (SRTP)
- Access Control with the electric lock (Built-in 2 short-in/out)
- IP65- and IK10-rated designed for rigorous environment
- Compatible with the Asterisk IP PBX systems
  or various SIP/ONVIF platforms

HDP-5240PT
720p SIP Multi-unit Door
Phone with RFID and PoE

- 720p HD camera with infrared light and night vision
- G.722 coding produces clearer HD voice quality
- Compatible with IEEE 802.3at/af PoE
- Control communication and security over Internet
- Unlock the door with an RFID, remote DTMF or local password
- Compatible with the Asterisk SIP IP PBX systems or various platforms

HDP-5260PT
720p SIP Multi-unit
Apartment Vandalproof
Door Phone with
RFID and PoE

- 720p camera has high-performance HD video
- G.722 coding produces clearer HD voice quality
- IP65 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

HZS-100/HZS-200
HZS-300/HZS-500
Z-Wave Sensing Device

- Z-Wave 500 module series
- Detects changes in movement via infrared technology (HZS-100)
- Photoelectric sensor is particularly effective in detecting
  smoldering fires (HZS-200)
- Door and window protection against unauthorized entry (HZS-300)
  Energy and cost saving (HZS-500)

Network Security

VR-100
5-Port 10/100/1000T
VPN Security Router
IVR-100
Industrial 5-Port 10/100/
1000T VPN Security Gateway

- Dual-WAN failover and Load balancing
- Static Packet Inspection (SPI) firewall and Blocking DoS/DDoS attack
- Full security with Cybersecurity, VLAN, NAT, DMZ, Static/
  Dynamic routing, and IP/MAC/Port filtering
- Multiple VPN with IPSEC, OpenVPN, PPTP, L2TP, GRE and VPN Failover
- IPv6, PLANET UNI-NMS, Easy DDNS
- -40 to 75 degrees C operating temperature and fanless design (IVR-100)

VR-300/VR-300P
VR-300W/VR-300WP
VPN Security Gateway

- High-Availability, AP Controller, Captive Portal, RADIUS and SD-WAN
- Dual-WAN failover and Dual-WAN load balancing
- SSL VPN and robust hybrid VPN (IPSec/PPTP/L2TP over IPSec)
- Stateful Packet Inspection (SPI) firewall and content filtering
- Blocking DoS/DDOS attack, port range forwarding
- IPv6, SNMP, PLANET DDNS and Universal Network Management System
- Compliant with the IEEE 802.3at PoE+ (VR-300P/VR-300WP)
- Compliant with the IEEE 802.11a/b/g/n/ac wireless (VR-300W/VR-300WP)

Network Management

NMS-500
Enterprise-class
Universal Network
Management Controller

- Auto 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

NMS-1000V-10/12
Enterprise-class Universal
Network Management
Controller with Touch LCD

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

NMS-360
Renewable Energy
Management Controller

- Supports up to 256 PLANET BSP-360 and up to 1024 PoE IP cameras
- Central provisioning and control over each managed device
- Event alert notification via e-mail
- Map view and monitor IP cam snapshot
- Supports PLANET DDNS and Easy DDNS

NMS-360V-10/12
Enterprise-class
Management Controller
with Touch LCD

- Auto discovery of up to 512 BSP-360 units
- Stylish TFT-LCD touch screen display and aluminum die-cast front bezel and chassis
- Dashboard for system event summary and device event notification
- Setup Wizard, e-mail alarm notification
- Map viewing and monitoring IP cam snapshots
- Supports PLANET DDNS, Easy DDNS

Network Peripherals

KVM-210-08
KVM-210-16
8/16-Port Combo KVM Switc
IKVM-210-08
IKVM-210-16
8/16-Port Combo IP KVM Switch

- Supports PS/2 and USB compatible mouse/trackball
- Standalone machine controls up to 8/16 computers
- Cascade up to 2 levels - control up to 64/256 computers
- Supports monitor resolution of up to 2048 x 1536
- Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)
- QVS (Quick View Setting): Quickly select your computer by naming or SN number
- Remote computer control via TCP/IP protocol (IKVM Series)

KVM-210-08M
KVM-210-16M
17" 8/16-Port Combo
VGA LCD KVM Switch
IKVM-210-08M
IKVM-210-16M
17" 8/16-Port Combo
VGA LCD IP KVM Switch

- 19-inch 1U rack mountable
- Cascade up to 2 levels, control up to 64/256 computers
- Supports high resolution up to 1280 x 1024
- Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)
- Multiplatform support: Windows 2000/2003/XP/Vista/7/10, Linux, Mac, and Sun
- Remote computer control via TCP/IP protocol (IKVM Series)

DTR-100D
USB 2.0 Digital TV Receiver

- Compliant with DVB-T
- HDTV quality / Snap shot in JPEG format
- Multi-channel preview / Channel auto scan
- Real time & Schedule Digital Video Recording
- Multiple languages function

DMA-200
ITB-3001
Digital Media Center

- UPnP AV/DLNA/HomePlug AV compliant
- Full HD (1080) and HDMI
- Stream videos, music and photos
- Wizard easy setup and user-friendly graphical on-screen menu
- Built-in VLC station for IPTV demo (ITB-3001)

IHD-410PT
IHD-410PR
Video Wall Ultra 4K HDMI/
USB Extender Transmitter/
Receiver over IP with PoE

- Support 1080p or Ultra 4K (3840 x 2160) HDMI resolution with H.264
- IEEE 802.3af Standard PoE Interface
- HDCP-compliant and Blu-ray ready
- Support IR extension and Automatic EDID
- Assign video sources to any monitors of the video wall
- Assigns video sources to any monitor of the video wall system
- 1-to-1,1-to-many and multi-casting broadcasting architectures

IHD-210PT
IHD-210PR
HD HDMI Extender
Transmitter/Receiver
over IP with PoE

- Compatible with H.264 and 1080p HDTV resolution
- IEEE 802.3af Standard PoE Interface
- HDCP-compliant and Blu-ray ready
- High Compression Streaming for saving Bandwidth
- Support IR extension and Automatic EDID
- 1-to-1,1-to-many and multi-casting broadcasting architectures

IPM-4220
IPM-8220
IPM-ESB
IP-based 4-/8-Port
Switched Power Manager

- LCD panel to display voltage, current and IP address
- Intelligent power-on sequencing based on event occurrence or planned schedule
- Events notification by sending pop-up message, trap, SMS or e-mail
- Sets over-current watchdog for power outlet
- IP filtering to prevent unauthorized access
- Versatile sensors supported through environmental sensor box (ESB) inputs

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