



APPLICATION GUIDE

Delivering a variety of efficient networking applications

Hotels & Resorts

Comprehensive networking equipment to satisfy customer comfort and management efficiency

PLANET hotels and resorts application provides a comprehensive collection of products to satisfy the comfort and security of guests and at the same time makes operation and management efficient. A wide range of devices including management switch, IP-PBX, IP phone, wireless AP controller, indoor and outdoor APs, SIP broadcasting system and SIP door intercom are reliable to ensure high-quality data, voice and power communications for the whole hospitality industry.

Network Infrastructures

Vehicle 4G LTE Cellular Wireless Gateway 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 CMS for remote management
- Supports GRE, PPTP, IPSec and L2TP



L3 24-Port 802.3bt PoE + 4-Port 10G LCD Switch GS-5220-24UPL4XVR

- 24-Port 10/100/1000T 802.3bt PoE++
- 2.4-inch color LCD touch screen with management functions
- ERPS ring data recovery time <10ms
- Supports PoE power up to 95 watts (Total budget: 600W)
- 36-60V DC and 100-240V AC redundant power for system



Wireless

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

- 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(PtP), WDS(PtMP), WDS(Repeater) mode
- Centrally managed by PLANET AP Controller Series (NMS Series, WS Series, VR-300 & IVR-300 Series)



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

- 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



Universal Network Management Controller with LCD Touch Screen (10"/12") NMS-1000V-10/12

- Stylish TFT-LCD touch screen display and aluminum die-cast front bezel and chassis
- Auto discovery of up to 1024 devices via web interface
- Central provisioning and remotely control over each managed device
- A topology view of network devices by LLDP protocol
- All-new dashboard for monitoring traffic and PoE usage
- Setup Wizard, alert popup message and e-mail alarm notification



Surveillance

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

- 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 for rigorous environment



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

- 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



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

- 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
- Multiple browsers and languages supported
- Remote live viewing through Smart App for 24/7 viewing
- 2 SATA HDD drawer (3.5") and 4K HD/VGA output



Voice Communications

High Definition Color PoE IP Phone VIP-1120PT

- 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



IP65 720p SIP Door Intercom w/RFID HDP-5240PT

- 720p HD camera with viewing angle: 110°, 95°
- Wideband G.722 HD audio
- Trouble-free installation
- IP65 for eaves environment
- -20 to 60 degrees C operating temperature
- Unlock the door with an RFID, remote DTMF or local password



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

- Stylish 7-inch touch screen IP 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



Outdoor Facility



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

Guestrooms



HD Color PoE IP Phone
VIP-1120PT

Office



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

Corridor



1200Mbps 802.11ac Wave 2 Dual Band Ceiling-mount AP
WDAP-C7210E

Control Room



L3 24-Port 802.3bt PoE + 4-Port 10G LCD Switch
GS-5220-24UPL4XVR



VPN Security Gateway
VR-300



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



Internet Telephony PBX System
IPX-2500



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



Enterprise-class Universal Network Management Controller
NMS-500

Hotel Lobby



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



1200Mbps 802.11ac Wave 2 Dual Band Ceiling-mount AP
WDAP-C7210E



IP65 720p SIP Door Intercom w/RFID
HDP-5240PT



Vehicle 4G LTE Cellular Wireless Gateway
VCG-1500WG-LTE

Entrance

Shuttle Bus

Digital Campus

Efficient management and extension of campus network capacity, mobility and security

As technology advances rapidly these days, how to create an efficient and reliable network application became an important issue for campus and educational network deployment. PLANET campus network solution offers a highly-integrated series of products ranging from wireless LAN, network backbone switches, network security, IP Surveillance to VoIP products that are closely interconnected to ensure the mobility to access the internet from anywhere, the security of the wired and the wireless connections and the efficiency of campus IoT structure.

Network Infrastructures

L3 24-Port 802.3bt PoE + 4-Port 10G LCD Switch GS-5220-24UPL4XV

- 24-Port 10/100/1000T 802.3bt PoE++
- 2.4-inch color LCD touch screen with management functions
- ERPS ring data recovery time <10ms
- Supports PoE power up to 95 watts (Total budget: 600W)



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

- 1G/10G SFP+ port x 12
- 10/100/1000BASE-T port x 8
- Dual 100~240V AC redundant power



24-port 1000X+4-10G Stack Switch SGS-6341-16S8C4XR

- 10/1000BASE-X SFP port x 24
- 10/100/1000BASE-T port x 8 shared with Port-21 to Port-24
- 10GBASE-X SFP+ port x 4
- 100~240V AC and 36-72V DC redundant power system
- Smart fan design for silent operation



Wireless

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

- 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



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

- 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)



Enterprise-class Universal Network Management Controller NMS-500

- Auto discovery of up to 512 devices via web interface
- Central provisioning and remotely controls over each managed device
- A topology view of network devices by LLDP protocol
- SMTP alarm and syslog for managed devices in real-time status
- Smart AP Controller up to 512 APs
- Easy deployment with map positioning
- Dashboard and chart design for all information in one



Surveillance

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

- 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



Media Converter Chassis/10G Converter MC-1500R/XT-705A

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



Voice Communications

High Definition Touch Color Screen Smart Media Android SIP Conference Phone ICF-1900

- 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



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

- 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



SIP IP Phone w/Color Screen VIP-2140PT

- 2.8-inch main color LCD monitor
- 2.4-inch (DSS) key-mapping LCD monitor
- 4 identities/accounts with color LED
- 30 configurable and 6 multicolored LED keys
- Wideband G.722 HD audio with handset and hands-free features
- Dual 10/100/1000 Gigabit Ethernet



Library / Student Center



48-port+4-port 10G Stack Switch
SGS-6341-48T4X



24-port PoE+4-10G Stack Switch
SGS-6341-24P4X



SIP IP Phone w/Color Screen
VIP-2140PT



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



1200Mbps 802.11ac Wave 2 Dual Band Ceiling-mount AP
WDAP-C7210E

Academic Classroom



Layer 3 24-port SFP+4-port 10G Stack Switch
XGS3-24242



Media Converter Chassis
MC-1500R



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

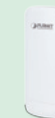


1200Mbps 802.11ac Wave 2 Dual Band Ceiling-mount AP
WDAP-C7210E

Outdoor Facility



Renewable Energy PoE Switch
BSP-360



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



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



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

Gym



1200Mbps 802.11ac Wave 2 Dual Band Ceiling-mount AP
WDAP-C7210E



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



24-port 1000X+4-10G Stack Switch
SGS-6341-16S8C4XR

Administration Office Building



L3 24-Port 802.3bt PoE + 4-Port 10G LCD Switch
GS-5220-24UPL4XV



Enterprise-class Universal Network Management Controller
NMS-500



1200Mbps 802.11ac Wave 2 Dual Band Ceiling-mount AP
WDAP-C7210E



High Definition Touch Color Screen Smart Media Android SIP Conference Phone
ICF-1900



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

Smart Buildings for Enterprises & More

Facilitating smart networking system with PLANET enterprise application

To make a network of smart buildings a reality, PLANET enterprise applications provide closely controlled security within your networking system, and at the same time, they make the digital network design efficient and cost-effective. PLANET provides data centers of office buildings, banks, etc. with specially-designed color touch LCD Ethernet switches, large-scale wireless LAN controllers, network video recorders and security gateways. By utilizing our latest Network Management System (UNI-NMS,) demands for fast and safe digital transmission through the IP deployments including VoIP system, IP surveillance and wireless LAN can be centrally managed and easily controlled to ensure optimal capability and performance.

Control Center

Universal Network Management System UNI-NMS

- Detect a maximum of 100,000 nodes
- Up to 200 sites, 200 floor maps, 500 nodes per area
- Easy to keep track of the status of each device
- Display of the topology of network devices
- Any fault found can be made known
- Real-time signal coverage of APs



Meeting Room

High Definition Touch Color Screen Smart Media Android SIP Conference Phone ICF-1900

- 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



Work Space

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

- 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



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

- 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(PtP), WDS(PtMP), WDS(Repeater) mode
- Centrally managed by PLANET AP Controller Series (NMS Series, WS Series, VR-300 & IVR-300 Series)



SIP IP Phone w/Color Screen VIP-2140PT

- 2.8-inch main color LCD monitor
- 2.4-inch (DSS) key-mapping LCD monitor
- 4 identities/accounts with color LED
- 30 configurable and 6 multicolored LED keys
- Wideband G.722 HD audio with handset and hands-free speaker
- Dual 10/100/1000 Gigabit Ethernet



Entrance

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

- 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



Internet Telephony PBX System IPX-2200

- 60 concurrent calls and up to 200 registers
- 36 concurrent calls and up to 40 conference rooms
- Recording/Voicemail up to 1,500 hours
- 2 slots for maximum 8 ports for FXO/GSM
- 10/100/1000 Gigabit Ethernet



Data Center

Layer 3 Chassis Routing Switch XGS3-42000R

- 160-port 10/100/1000BASE-T copper
- 156 1000BASE-SX/LX SFP fiber slots
- 60 10G XFP fiber slots
- 6 40G QSFP+ fiber slots
- 19-inch, 6U rack-mount



24-port PoE + 4-port 10G LCD Switch GS-5220-24PL4XV

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- R model supports 100~240V AC/48~60V DC redundant power
- 1G/10G SFP+ port x 4
- 600-watt PoE budget
- Up to 36 watts per PoE port



VPN Security Gateway VR-300

- Dual-WAN failover and Dual-WAN load balancing
- SSL VPN and robust hybrid VPN (IPSec/SSL/L2TP over IPSec)
- Stateful Packet Inspection (SPI) firewall and content filtering
- Blocking DoS/DDOS attack, port range forwarding,
- PLANET DDNS, IPv6, SNMP, Wireless AP management
- Compliant with IEEE 802.11a/b/g/n/ac wireless technology
- IP30 metal case, DIN-rail and wall-mount designs
- PLANET Universal Network Management System



Enterprise-class Universal Network Management Controller NMS-500

- Auto discovery of up to 512 devices via web interface
- Central provisioning and remotely controls over each managed device
- A topology view of network devices by LLDP protocol
- SMTP alarm and syslog for managed devices in real-time status
- Smart AP Controller up to 512 APs
- Easy deployment with map positioning
- Dashboard and chart design for all information in one



Control Center



Universal Network Management System
UNI-NMS

Meeting Room



High Definition Touch Color Screen Smart Media Android SIP Conference Phone
ICF-1900

Work Space



1200Mbps 802.11ac Wave 2 Dual Band Ceiling-mount AP
WDAP-C7210E



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



SIP IP Phone w/ Color Screen
VIP-2140PT

Data Center



Layer 3 Chassis Routing Switch
XGS3-42000R



Enterprise-class Universal Network Management Controller
NMS-500



VPN Security Gateway
VR-300



24-port PoE + 4-port 10G LCD Switch
GS-5220-24PL4XV



Internet Telephony PBX System
IPX-2200

Entrance



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



Factory Automation

Designed for reliable, secure and smart industrial network Infrastructures

PLANET factory automation application is one of its many Industrial Ethernet Solutions that provide highly-reliable and smart solutions to ensure continuous and efficient operation for the IIoT environment. The Industrial Ethernet upgrades traditional, proprietary factory floor networks to a low-cost, high-performance, and scalable architecture. PLANET provides a complete product portfolio that is compliant with major IE protocols such as Modbus TCP, EtherCAT, and EN50155 for information level, control level, and device level in the Industrial Ethernet network.

M2M Station

Flat-type 4-port PoE LCD Router WGR-500-4PV

- 2.4-inch color LCD touch screen with management functions
- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 802.1Q VLAN and IGMP proxy
- PoE management
- IPv6 Support for IoT Networking
- Secure Firewall Protection



Industrial 4-port PoE ++ Switch 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



Universal Network Management Controller with LCD Touch Screen (10"/12") NMS-1000V-10/12

- Stylish TFT-LCD touch screen display and aluminum die-cast front bezel and chassis
- Auto discovery of up to 1024 devices via web interface
- Central provisioning and remotely control over each managed device
- A topology view of network devices by LLDP protocol
- All-new dashboard for monitoring traffic and PoE usage
- Setup Wizard, alert popup message and e-mail alarm notification



Storage/Warehouse

H.265 25-ch 4K Network Video Recorder with 16-Port PoE NVR-2516P

- H.265/H.264 and dual streaming compression technology
- Up to 4K resolution recording and playback for clear monitoring
- 16 independent PoE+ network interfaces
- 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



Industrial 4-port RS232/ RS422/ RS485 Media Converter ICS-2400T

- 4 RS232/422/485 port to 10/100BASE-TX
- IP30 metal case protection
- -40 to 75 degrees C operating temperature
- TCP Server/Client, UDP Client, Virtual COM, Telnet Server, Pair Connection Remote/Local Modes
- 12 to 48V DC, redundant power with polarity reverse protect function



Industrial 1-port RS232/422/485 Modbus Gateway IMG-2100T

- 1-port 10/100BASE-TX
- 1 RS232 with DB9 interface
- 1 RS422 or RS485 with terminal block interface
- RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
- Built-in IP-based Web interface and telnet interface for remote management
- 9 to 48V DC / 24V AC, redundant power
- -40 to 75 degrees C operating temperature
- IP30 metal case



Production Line

16-ch EtherCAT Slave I/O Module IECS-1116-DI

- Built-in isolated 16 digital inputs
- 2 x RJ45 bus interface
- LED indicators for the input status
- Removable terminal block connector
- Distance between stations up to 100m (100BASE-TX)
- EtherCAT conformance test tool verified



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

- 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



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

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



16-ch EtherCAT Slave I/O Module IECS-1116-DO

- Built-in isolated 16 digital outputs
- 2 x RJ45 bus interface
- LED indicators for the input status
- Removable terminal block connector
- Distance between stations up to 100m (100BASE-TX)
- EtherCAT conformance test tool verified



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

- 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 30 meters
- IP67-rated housing for rigorous environment



M2M Station



1200Mbps 802.11ac Wave 2
Dual Band Ceiling-mount AP
WDAP-C7210E



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



Industrial 4-port PoE ++
Switch
IGS-5225-4UP1T2S



Industrial 4-port
Serial Server
ICS-2400T



Industrial 1-port
RS232/422/485
Modbus Gateway
IMG-2100T



Flat-type 4-port PoE
LCD Router
WGR-500-4PV



Universal Network
Management Controller with
LCD Touch Screen (10"/12")
NMS-1000V-10/12



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



H.265 25-ch 4K Network
Video Recorder with
16-Port PoE
NVR-2516P



Industrial 16-port PoE
Switch
IGS-20160HPT

Production Line



16-ch EtherCAT Slave I/
O Module
IECS-1116-DO



16-ch EtherCAT Slave
I/O Module
IECS-1116-DI



Intelligent Transportation System

Innovative transportation network with comprehensive IP solutions

PLANET covers a wide range of Intelligent Transportation System (ITS) applications for the railway, metro system and highway networking deployments. As all of these ITS network interfaces require long distance, high-bandwidth and real-time data transmission, PLANET's comprehensive product line provides robust, reliable and secure solutions to ensure uninterrupted high-quality transmission. Featuring ITU-T under G.8032 Recommendation, it provides sub-50ms protection and recovery switching for Ethernet traffic in a ring topology and at the same time ensures that there are no loops formed at the Ethernet layer.

Metro System

Platform/On the Train

Industrial IP67 Rated 4-Port 10/100/1000T 802.3at PoE + 2-Port 10/100/1000T Managed Ethernet Switch
IGS-5227-4MP2MT

- IP67 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
- 24~48V DC redundant power design
- ERPS Ring Data Recovery time < 50ms
- -40 to 75 degrees C wide operating temperature



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

- 1/2.8" 5 Megapixel progressive scan STARVISTM 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 30 meters
- IP67-rated housing for rigorous environment



Gate

EN50155 4G LTE/GPS/Wi-Fi Gateway
VCG-1500WG-LTE

- 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 NAT, DMZ, MAC/Application/IP filter and static routing
- Supports CMS and SNMP for remote management



2-port RS232/422/485 Modbus Gateway
MG-120

- Supports Modbus TCP/RTU/ASCII Slave and Master operation modes
- Master mode supports 32 TCP slave connection requests
- Slave mode supports 32 TCP master connections
- Supports Web and telnet management
- Compact size and wall-mounted design without space limitation



Ticket Booth

Industrial 2-port RS232/RS422/RS485 Media Converter
ICS-2200T

- 2 RS232/422/485 ports to 10/100 BASE-TX
- TCP Server/Client, UDP Client, Virtual COM, Telnet Server, Pair Connection-remote/local modes
- 12~48VDC, redundant power with polarity reverse protection function
- -40 to 75 degrees C operating temperature
- IP 30 metal case



Control Center

Industrial 4-port PoE ++ Switch
IGS-5225-4UP1T2S

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



Enterprise-class Universal Network Management Controller
NMS-500

- 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



Highway

Highway

Industrial 4-port LRP Extender
LRP-104CET

- 1-port BNC with passive PoE PD
- 4-port 10/100TX RJ45 with IEEE 802.3at
- PoE+ PSE to remote PoE IP camera/AP
- -20 ~ 70 degrees C operating temperature



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

- 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



Bus

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

- Dual module SIM for network load balancing and redundancy
- IEEE 802.11b/g/n/ac dual-band for mobile client connectivity
- GPS antenna allows to detect the location via sat nav system
- 2 DI/DO and 1 serial port for Modbus
- Multiple VPN with IPSEC, OpenVPN, PPTP, L2TP, GRE
- Full security with Firewall and IP/MAC/Port filtering
- Supports CMS for remote management
- -35 to 70 degrees C operating temperature and fanless design



Electric Box

8-port LRP Managed Switch
LRP-822CS

- 8 100Mbps BNC female ports with LRP Inject function
- 2 10/100/1000 BASE-T Gigabit RJ45 copper ports
- 2 100/1000 BASE-X mini-GBIC/SFP slots
- Supports PoE power up to 36W for each PoE port
- 802.1Q VLAN, MSTP and IGMP Snooping
- IPv6/IPv4 ACL, QoS supported



Control Center

Industrial Flat-type PoE Switch
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 1G/2.5G SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Modbus TCP



Gate



2-port RS232/422/485
Modbus Gateway
MG-120

Ticket Booth



Industrial 2-port RS232/
RS422/RS485 Media
Converter
ICS-2200T

Control Center



Industrial 4-port PoE ++
Switch
IGS-5225-4UP1T2S



Universal Network
Management Controller
NMS-500

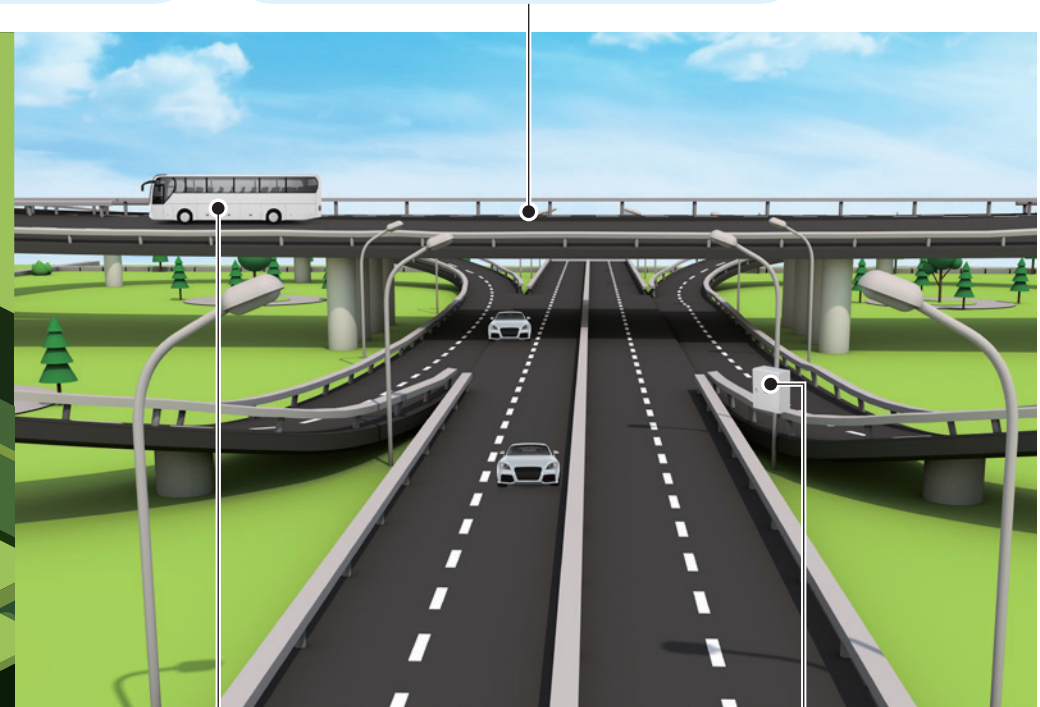
Highway



Industrial 4-port LRP
Extender
LRP-104CET



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



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



4-port PoE + 2-port TP
Switch
IGS-5226-4P2T



EN50155 4G LTE/GPS/Wi-
Fi Gateway
VCG-1500WG-LTE

Platform/On the Train



Industrial 4G LTE/GPS
Gateway
ICG-2510WG-LTE

Bus



Industrial Flat-type PoE
Switch
WGS-5225-8P2SV

Control Center



8-port LRP Managed
Switch
LRP-822CS

Electric Box



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