PLANET
Networking & Communication



Application Guide

Delivering a variety of efficient networking applications

www.PLANET.com.tw

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



24-Port 802.3bt PoE + 4-Port 10G LCD Switch
GS-5220-24UP4XVR

- 10/100/1000BASE-T with 24 802.3bt PoE ports
- Four 1G/10G SFP+ ports
- 400-/600-watt PoE budget
- Up to 95 watts PoE output
- R model supports 100~240V AC/48~60V DC redundant power



Wireless

750Mbps 802.11ac In-wall Wireless AP with USB Charger
WDAP-W750E

- Dual-Band with speeds up to 750Mbps
- IEEE 802.3af/at Power over Ethernet standard
- Access Point, Gateway, Repeater, WDS (AP/Bridge/Station)
- 8 SSID (4 SSID for 2.4G, 4 SSID for 5G), Max 128 Access Users
- Support 802.1Q VLAN and PLANET AP controller
- USB charger port for charging most of mobile devices easily



Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E

- Simultaneous dual-band connectivity in 2.4GHz (300Mbps) and 5GHz (867Mbps)
- Gigabit Ethernet ports, 802.3at PoE/PD supported
- 802.1Q VLAN mapping multiple SSIDs
- AP router, universal repeater, WISP mode
- Centrally managed by PLANET WAPC series and software-based AP controller



Wireless AP Controller (1000APs)
WAPC-1000

- AP auto-discovery
- Control up to 1024/APs
- Central provisioning and cluster management
- Easy deployment with map positioning
- Real-time AP status monitoring
- Built-in RADIUS server seamlessly integrated into the enterprise network
- Profile creation and maintenance



Surveillance

H.265 1080p IR Bullet/Dome PoE IP Camera
ICA-4250

- 3.6mm lens with 74 degrees angle view
- Maximum resolution 1920 x 1080 (30fps)
- 25-meter IR LEDs with ICR
- WDR, 2DNR, IP66
- Cable management



H.265 1080p IR Bullet/Dome PoE IP Camera
ICA-3250

- 3.6mm lens with 74 degrees angle view
- Maximum resolution 1920 x 1080 (30fps)
- 20-meter IR LEDs with ICR
- WDR, 2DNR, IP66



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

- 5 in 1 –TVI, CVI, AHD, CVBS and IP Full HD video input
- 1080P encoding for analog mode
- H.265 high profile video compression
- HDMI and VGA output at 1920 x 1080 resolution
- ONVIF compliant for interoperability
- CMS and mobile app for remote monitoring



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 IR Bullet/ Dome PoE IP Camera
ICA-3250

Guestrooms



HD Color PoE IP Phone
VIP-1120PT

Office



750Mbps 802.11ac In-wall Wireless AP with USB Charger
WDAP-W750E

Corridor



Dual Band Ceiling-mount Wi-Fi AP
WNAP-C3220E

Control Room



24-Port 802.3bt PoE + 4-Port 10G LCD Switch
GS-5220-24UP4XVR



Wireless AP Controller (1000APs)
WAPC-1000



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



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 IR Bullet/ Dome PoE IP Camera
ICA-4250



Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E



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

Entrance



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

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

24-port 802.3bt PoE + 4-port 10G LCD Switch
GS-5220-24UP4XV

- 10/100/1000BASE-T with 802.3bt Utra PoE port x 24
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 95 watts PoE output
- R model supports 100~240V AC/48~60V DC redundant power



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

Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet ports, 802.3at PoE/PD supported
- 802.1Q VLAN mapping to multiple SSIDs
- AP router, universal repeater, WISP mode
- Centrally managed by PLANET WAPC series and Software AP Controller



IP68 Dual Band 1200Mbps Wi-Fi AP
WDAP-802AC

- Gigabit wire and 1200Mbps wireless connectivity (dual-band)
- 4 built-in N-type (F) antenna connectors
- 802.1Q VLAN mapping to multiple SSIDs
- Ground terminal design, IP68 rating
- 802.3at Power over Ethernet
- Centrally managed by PLANET WAPC series and Software AP Controller



Wirless AP Controller
WAPC-500

- AP auto-discovery
- Control up to 512/APs
- Central provisioning and cluster management
- Easy deployment with map positioning
- Real-time AP status monitoring
- Built-in RADIUS server seamlessly integrated into the enterprise network
- Profile creation and maintenance



Surveillance

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

- 2.8~12 mm vari-focal with wide angle surveillance
- Simultaneous H.264 and H.265 video compression
- Max. resolution of 4 mega-pixel (2592 x 1520 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



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

7-inch SIP Conferencing Phone
ICF-1800

- Built-in Android 4.2 OS multimedia conferencing phone
- 7-inch TFT color multi touch screen
- 6 identities/accounts
- Wideband G.722 HD audio with handset and hands-free features
- Dual 10/100/1000 Gigabit Ethernet
- Titable 2 megapixel CMOS camera, HDMI, micro SD



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-port10G Stack Switch
SGS-6341-48T4X



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



SIP IP Phone w/Color Screen
VIP-2140PT



IP67 5GHZ 300Mbps Wi-Fi AP
WAP-552N



Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E

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



Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E

Outdoor Facility



Renewable Energy PoE Switch
BSP-360



IP55 5GHz 300Mbps Wi-Fi CPE
WBS-502N



IP68 Dual Band 1200Mbps Wi-Fi AP
WDAP-802AC



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

Gym

Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E



IP67 5GHZ 300Mbps Wi-Fi AP
WAP-552N



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

Administration Office Building



24-port PoE+4-port 10G LCD Switch
GS-5220-24UP4XV



Wirless AP Controller
WAPC-500

Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E



7-inch SIP Conferencing Phone
ICF-1800



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

HD Touch Screen Android Multimedia Conferencing Phone
ICF-1800

- Built-in Android 4.2 OS multimedia conferencing phone
- 7-inch TFT color multi touch screen
- 6 identities/accounts
- Wideband G.722 HD audio with handset and hands-free
- Dual 10/100/1000 Gigabit Ethernet
- Tillable 2 megapixel CMOS camera, HDMI, micro SD



Work Space

2.4GHz 300Mbps Wi-Fi AP
WNAP-C3220E

- 10/100BASE-TX port, 802.3af PoE/PD supported
- 802.1Q VLAN mapping of multiple SSIDs
- Access Point, Gateway, Repeater, WDS (AP/Bridge/Station) modes
- Centrally managed by PLANET WAPC series and Software AP Controller, UNI-NMS



In-Wall 2.4GHz 300Mbps Wi-Fi AP
WNAP-W2200UE

- 10/100BASE-TX ports, with one 802.3af PoE/PD port supported
- 802.1Q VLAN mapping of multiple SSIDs
- Access Point, Gateway, Repeater, WDS (AP/Bridge/Station) modes
- In-wall design with USB charger port
- Centrally managed by PLANET WAPC series and Software AP Controller, UNI-NMS



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 IR Bullet/Dome PoE IP Camera
ICA-3250/ICA-4250

- 3.6mm lens with 74 degrees angle view
- Maximum resolution 1920 x 1080 (30fps)
- 20-meter IR LEDs with ICR
- WDR, 2DNR, IP66



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-5220-24P4XV

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power



Security Gateway
CS-950

- Control up to 50 APs
- User authentication and MAC ACL
- Customized captive portal
- Unified security gateway with VPN connectivity
- Advanced anti-virus and anti-spam services
- IDP service and content filtering



Wireless AP Controller - 500APs
WAPC-500

- AP auto-discovery
- Control up to 512 APs
- Central provisioning and cluster management
- Easy deployment with map positioning
- Real-time AP status monitoring
- Profile creation and maintenance



Control Center



Universal Network Management System
UNI-NMS

Meeting Room



HD Touch Screen Android Multimedia Conferencing Phone
ICF-1800

Work Space



2.4GHz 300Mbps Wi-Fi AP
WNAP-C3220E



In-Wall 2.4GHz 300Mbps Wi-Fi AP
WNAP-W2200UE



SIP IP Phone w/ Color Screen
VIP-2140PT

Data Center



Layer 3 Chassis Routing Switch
XGS3-42000R



Wireless AP Controller - 500APs
WAPC-500



Security Gateway
CS-950



24-port PoE + 4-port 10G LCD Switch
GS-5220-24P4XV



Internet Telephony PBX System
IPX-2200

Entrance



H.265 1080p IR Bullet/ Dome PoE IP Camera
ICA-3250/ICA-4250

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 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



Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet ports for 802.3at PoE PDs
- 802.1Q VLAN mapping of multiple SSIDs
- AP router, universal repeater, WISP mode
- Centrally managed by PLANET WAPC series and Software AP Controller



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



Industrial 1-port Modbus Gateway
IMG-110T

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



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



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

- 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



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



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



Storage/Warehouse

64-ch Network Video Recorder
NVR-E6480

- 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



Industrial 16-port PoE Switch
IGS-20160HPT

- 16-port 10/100/1000T with PoE+ plus 2-port 10/100/1000T + 2-port 10/100X 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



IP68/IK10 5MP Fisheye E-series Camera
ICA-E8550

- 1.19mm fisheye lens for 180° and 360° panoramic wide angle view
- Built-in IR illuminators, effective up to 15 meters
- Vandalproof (IK10) and weatherproof (IP68)
- EN50155 compliance for professional
- ePTZ for data efficiency
- ICR, WDR and 3D noise reduction
- Mobile surveillance



M2M Station



Dual Band 1200Mbps Ceiling-mount Wi-Fi AP
WDAP-C7200E



IP68/IK10 5MP Fisheye E-series Camera
ICA-E8550



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



Industrial 4-port Serial Server
ICS-2400T



Industrial 1-port Modbus Gateway
IMG-110T



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



Touch LCD Universal Network Management Controller
NMS-1000V



Storage/Warehouse



2 Mega-pixel IR PoE Plus Speed Dome IP Camera with Extended Support
ICA-E6265



64-ch Network Video Recorder
NVR-E6480



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

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

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



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



5 Mega-pixel Outdoor IR PoE Fisheye IP Camera with Extended Support
ICA-E8550

- 1.19mm fisheye lens for 180° and 360° panoramic wide angle view
- ePTZ for data efficiency
- ICR, WDR and 3D noise reduction
- Built-in IR illuminators, effective up to 15 meters
- Built-in microSD card slot for on-board storage
- Vandalproof (IK10) and weatherproof (IP68)
- EN50155 compliance for professional mobile surveillance



Gate

Industrial 1-/2-port RS422/485 Modbus Gateway
IMG-120T

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



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
- 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



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 IR PoE Plus Speed Dome IP Camera with Extended Support
ICA-E6265

- 36x optical zooming, endless pan & tilt
- Max. frame rate 60fps at 1080p
- Long distance adaptive IR LEDs
- Superior low light sensitivity
- WDR enhancement , 3D noise reduction
- Water-repellent and scratch-resistant lens glass
- 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 funtion
- 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 1GMP 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 100/1000BASE-X SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Modbus TCP



Gate



Industrial 1-/2-port RS422/485 Modbus Gateway
IMG-120T

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

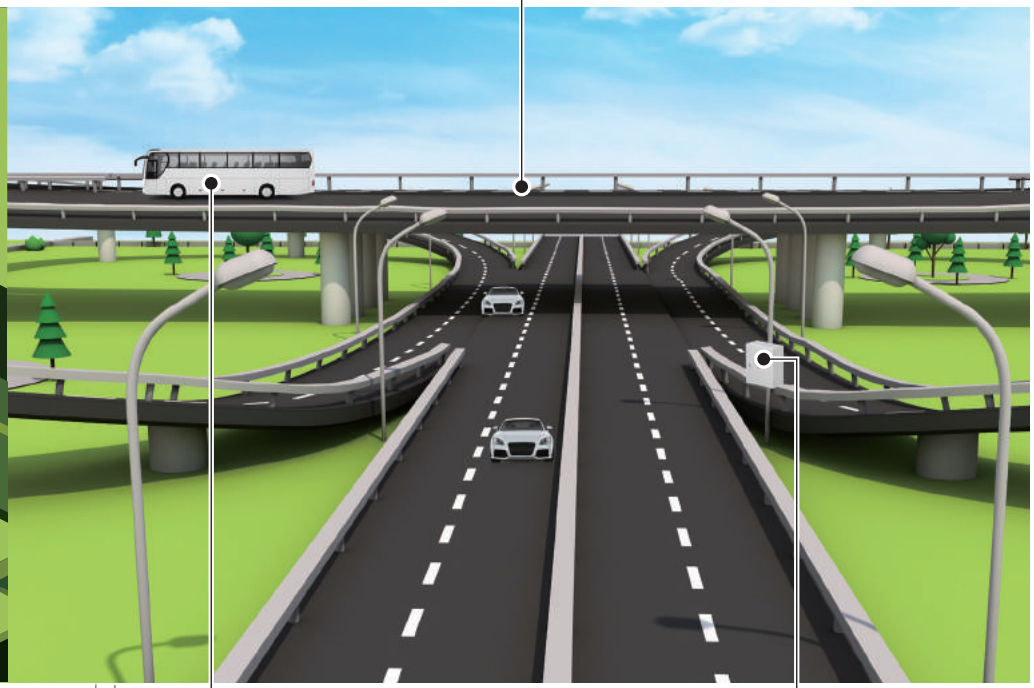


Industrial 4-port LRP Extender
LRP-104CET



2 Mega-pixel IR PoE Plus Speed Dome IP Camera
ICA-E6265







5 Mega-pixel Outdoor IR PoE Fisheye IP Camera with Extended Support
ICA-E8550



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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