# Flat-type Ethernet Switches



| | Unmanaged PoE+ | Unmanaged |
|---|---|---|
| Model | WGS-804HP | WGS-803 |

**Product Image**



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| | | Unmanaged PoE+ (WGS-804HP) | Unmanaged (WGS-803) |
|---|---|---|---|
| **Hardware** | LCD | - | - |
| | 10/100//1000BASE-T | 8 | 8 |
| | 1000 mini-GBIC | - | - |
| | 100BASE-FX | - | - |
| | Switch Fabric | 16Gbps | 16Gbps |
| **Power** | Inputs | Dual 48~56V DC | 12~48V DC or 24V AC |
| | Connector | | 3-pin terminal block, DC socket |
| | Consumption | 140 watts | 6 watts |
| **Mechanical** | Dimensions (W x D x H) | 148 x 25 x 134 mm | 148 x 25 x 134 mm |
| | Enclosure | IP30 metal | IP30 metal |
| | Mounting | DIN-rail, wall-mountable and magnetic wall mount | |
| **Environment** | Operating Temperature | -40~75 degrees C | -10~60 degrees C |
| | Operating Humidity | 5% to 95%RH (non-condensing) | 5% to 95%RH (non-condensing) |
| **Regulatory** | Emissions | FCC Class A, CE Class A | FCC Class A, CE Class A |
| | Stability | IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration) | |

# Flat-type Wireless Access Point

## Industrial Wall-mount Design Perfect for Public Facilities

PLANET WDAP-W7200AC adopts the latest 802.11ac technology to provide extremely high-speed and powerful dual band wireless access without signal interference. Its durable and sturdy IP30 metal housing and wall-mount design make it strong enough to withstand any harshly industrial environments and flexible enough to be mounted on any wall. With the female reverse polarity SMA connectors, the WDAP-W7200AC can suitably and correctly be connected to external antennas and boosters in such wireless environments as warehouses, campuses and enterprises.

The WDAP-W7200AC, with the Planet Smart Discovery Utility and Wireless AP Controllers supported, enables a small or medium wireless network to be simultaneously configured to minimize deployment time, effort and cost. No expensive instruments or complex back-end subscriber managed systems are required for deployment, thus bringing convenience to system administrators or machine operators.

| Model | WDAP-W7200AC |
|---|---|

**Product Image**



| | | WDAP-W7200AC |
|---|---|---|
| **Wireless** | Standard | IEEE 802.11a/b/g/n/ac |
| | Max. Data Rate | 300+867Mbps |
| | MIMO Technology | 2T2R |
| | Antenna | 2.4G: 5dBi    5G: 5dBi |
| **LAN** | 10/100BASE-TX | 1 x RJ45, auto-negotiation, auto-MDI/MDI-X |
| | Power over Ethernet | 1-port 802.3at PoE PD |
| **Mechanical** | Dimensions (W x D x H) | 148 x 41 x 140 mm |
| | Weight | 470g |
| | Enclosure | IP30 metal |
| | Mounting | DIN-rail, wall-mountable and magnetic wall mount |
| **Power** | Inputs | IEEE 802.3af/at PoE; 48~56V DC input |
| | Connector | RJ45 |
| | Consumption | 20 watts max. |
| **Environment** | Operating Temperature | -10~60 degrees C |
| **Regulatory** | Emissions | FCC Class A, CE Class A |

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## ERPS Ring for MAN Application
## Recovery Time < 20ms

# All-New Industrial Flat-type Ethernet
## Perfect IP Network Deployment for Buildings and Factories



Dual Power Input

Flat Design

DIN-rail Installation

PoE Usage

Fiber Connection

Magnetic Installation

Touch LCD

Wireless Connection

## Security Building Automation Switches

Suitable for buildings where security is strictly to be enforced, PLANET Industrial Wall-mount Managed Switches offer a comprehensive Layer 2 to Layer 4 Access Control List (ACL). The switches can restrict network access by denying packets based on source and destination IP address, TCP/UDP ports or defined typical network applications. The WGS-5225 Series incorporates advanced ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) technology into customer's industrial automation network to enhance system reliability and uptime. With PLANET Industrial Wall-mount Managed Switches, a tightly-controlled network can be easily had in no time.

## FTTX/MAN Application

PLANET Industrial Wall-mount Managed Switches adopt the double tag VLAN (Q-in-Q) technology to provide low cost and easy operation for service providers carrying traffic for multiple customers across their networks. With two dual-speed SFP slots built in, the deployment distance of PLANET Industrial Wall-mount Managed Switches can be extended up to 120 kilometers (single-mode fiber), which provides a high-performance edge service for FTTx solutions.



To build a network solution of FTTH (Fiber to the Home) or FTTC (Fiber to the Curb) for ISPs, and FTTB (Fiber to the Building) for enterprises, the various distances of SFP and BiDi (WDM) transceivers are optional for customers. For security and various applications, the 8 Gigabit ports of PLANET Industrial Wall-mount Managed Switches can be configured with VLAN settings and connected to different units, offices, floors, houses and departments.

## Unique Flat-type Design with Touch LCD Screen or PoE Functions for Efficient Management

To facilitate the network deployment in any space-limited locations like wall enclosure or electric box found in buildings or outdoors, PLANET has the industrial Ethernet switches and wireless AP designed in a compact flat type. The products can be installed by fixed wall mounting, magnetic wall mounting or DIN rail, thereby making its usability more flexible. With the intuitive LCD Touch Screen or PoE Functions including PD alive check, scheduled power recycling, PoE schedule and PoE usage monitoring, PLANET's flat-type switches greatly promotes efficient and timely network management, perfectly suitable for surveillance, wireless and VoIP networks.



| | | Touch LCD | | Managed PoE+ | | | Managed | |
|---|---|---|---|---|---|---|---|---|
| | Model | WGS-5225-8T2SV | WGS-5225-8P2SV | WGS-5225-8P2S | WGS-4215-8P2S | WGS-804HPT | WGS-4215-8T | WGS-4215-8T2S |
| | Product Image | | | | | | | |
| Hardware | LCD | 2.4"Color TFT Touch Screen | | - | - | - | - | - |
| | 10/100//1000BASE-T | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 1000 mini-GBIC | 2 | 2 | 2 | 2 | - | - | 2 |
| | 100BASE-FX | Compatible | Compatible | Compatible | Compatible | - | - | Compatible |
| | Switch Fabric | 20Gbps | 20Gbps | 20Gbps | 20Gbps | 16Gbps | 16Gbps | 20Gbps |
| Power | Inputs | 12~48V DC or 24V AC | Dual 48~56V DC | Dual 48~56V DC | Dual 48~56V DC | Dual 48~56V DC | 12~48V DC or 24V AC | 12~48V DC or 24V AC |
| | Connector | 3-pin terminal block, DC socket | | 3-pin terminal block, DC socket | | | 3-pin terminal block, DC socket | |
| | Consumption | 12 watts | 251 watts | 250 watts | 210 watts | 152 watts | 10 watts | 7.9 watts |
| Mechanical | Dimensions (W x D x H) | 180 x 25 x 140 mm | 180 x 25 x 140 mm | 180 x 25 x 140 mm | 178 x 25 x 134 mm | 148 x 25 x 134 mm | 148 x 25 x 134 mm | 178 x 25 x 134 mm |
| | Enclosure | IP30 metal | IP30 metal | IP30 metal | IP30 metal | IP30 metal | IP30 metal | IP30 metal |
| | Mounting | DIN-rail, wall-mountable and magnetic wall mount | | | | | | |
| Environment | Operating Temperature | -20~70 degrees C | | -40~75 degrees C | | | -40~75 degrees C | |
| | Operating Humidity | 5% to 95%RH (non-condensing) | | 5% to 95%RH (non-condensing) | | | 5% to 95%RH (non-condensing) | |
| Regulatory | Emissions | FCC Class A, CE Class A | | FCC Class A, CE Class A | | | FCC Class A, CE Class A | |
| | Stability | IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration) | | | | | | |
| PoE | PoE Standard | - | 802.3at PoE+ | 802.3at PoE+ | 802.3af/802.3at | 802.3af/802.3at | - | - |
| | PoE Port | - | 8 | 8 | 8 | 4 | - | - |
| | PoE Budget | - | 240 watts | 240 watts | 200 watts | 144 watts | - | - |
| | PSE Type | - | End-sapn | End-sapn | End-span | End-span | - | - |
| | Power Pin Assignment | - | 1/2(+), 3/6(-) | 1/2(+), 3/6(-) | 1/2(+), 3/6(-) | 1/2(+), 3/6(-) | - | - |
| Protocol | VLAN | IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/Protocol-based VLAN/Voice VLAN/GVRP | | | | | | |
| | IGMP Snooping | v2/v3/query | v2/v3/query | v2/v3/query | v2/v3/query | v2/v3/query | v2/v3/query | |
| | Spanning Tree | 802.1w/802.1s | 802.1w/802.1s | 802.1w/802.1s | 802.1w/802.1s | 802.1w/802.1s | 802.1w/802.1s | |
| | Data Redundancy | ERPS Ring RSTP/MSTP | | | RSTP/MSTP | RSTP/MSTP | RSTP/MSTP | RSTP/MSTP |
| | QoS | Port-based/802.1P/IP DSCP Policy-based/Voice VLAN | | | | | | |
| | Security | 802.1x, Static MAC, MAC filter, Port Security and IP Security | | | | | | |
| | Traffic Control | In/out rate limit, storm control | | | | | | |
| Management | Interface | Web, telnet, SSH and SSL | | | | | | |
| | SNMP | v1, v2c, v3 and trap | | | | | | |
| | System Log | System log and remote Syslog | | | | | | |