

**WAPC-1232HP** NEW**Wireless AP Controller with 8-Port 802.3at PoE+**[Overview](#)[Applications](#)[Key Features](#)[Specifications](#)[Download](#)[Related Products](#)**Physical Port**

- **10-Port 10/100/1000BASE-T** Gigabit RJ45 copper with **8-Port IEEE 802.3at PoE** Injector (Port-1 to Port-8)
- **2 100/1000BASE-X mini-GBIC/SFP** slots, SFP type auto detection
- RJ45 type console interface for basic management and setup

Wireless AP Management

- Automatically discovers managed APs, up to 32 units
- Locally maintains configuration profiles for all managed APs
- Centrally monitors all managed APs' statuses and associated client list
- Eight built-in 802.3at PoE+ ports to directly manage AP power control
- AP alive check for automatic operating status diagnostic

Power over Ethernet

- Complies with IEEE 802.3at Power over Ethernet Plus
- Backward compatible with IEEE 802.3af Power over Ethernet
- Up to 8 ports for IEEE 802.3af/at devices powered
- Supports PoE power up to 30.8 watts for each PoE port
- Auto detects powered device (PD)
- Remote power feeding up to 100m
- PoE Management
 - Total PoE power budget control
 - Per port PoE function enable/disable
 - PoE Port Power feeding priority
 - Per PoE port power limitation
 - PD classification detection
 - PD alive-check

Layer 2 Features

- Storm Control support
 - Broadcast / Multicast / Unicast / Unknown unicast
- Supports **VLAN**
 - IEEE 802.1Q tagged VLAN
 - Up to 255 VLANs groups, out of 4095 VLAN IDs
 - Provider Bridging (VLAN Q-in-Q) support (IEEE 802.1ad)
 - Private VLAN Edge (PVE)
 - Protocol-based VLAN
 - MAC-based VLAN
 - IP Subnet-based VLAN
 - Voice VLAN
 - Management VLAN
- Supports **Spanning Tree Protocol**
 - STP, IEEE 802.1D Spanning Tree Protocol
 - RSTP, IEEE 802.1w Rapid Spanning Tree Protocol
 - MSTP, IEEE 802.1s Multiple Spanning Tree Protocol (via VLAN)
 - STP BPDU Guard and BPDU filtering
- Supports **Link Aggregation**
 - IEEE 802.3ad Link Aggregation Control Protocol (LACP)
 - Cisco ether-channel (static trunk)
 - Maximum 4 trunk groups, up to 4 ports per trunk group
 - Up to 8Gbps bandwidth (full duplex mode)
- Provides port mirror (many-to-1)
- Port mirroring to monitor the incoming or outgoing traffic on a particular port
- Loop protection to avoid broadcast loops

Layer 3 IP Routing Features

- Supports maximum 32 software static routes and route summarization

Quality of Service

- Ingress Shaper and Egress Rate Limit per port bandwidth control
- 8 priority queues on all switch ports
- Traffic classification
 - IEEE 802.1p CoS
 - TOS / DSCP / IP Precedence of IPv4/IPv6 packets
 - IP TCP/UDP port number
 - Typical network application
- Strict priority and Weighted Round Robin (WRR) CoS policies
- Traffic-policing policies on the switch port
- DSCP remarking

Multicast

- Supports IGMP Snooping v1, v2 and v3 for IPv4 multicasting network
- Supports MLD Snooping v1 and v2 for IPv6 multicasting network
- Querier mode support
- IGMP Snooping port filtering
- MLD Snooping port filtering
- MVR (Multicast VLAN Registration)

Security

- Authentication
 - IEEE 802.1x Port-based / MAC-based network access authentication
 - Built-in RADIUS client to co-operate with the RADIUS servers
 - TACACS+ login users access authentication
 - RADIUS / TACACS+ users access authentication
- Access Control List
 - IPv4 / IPv6 IP-based ACL
 - MAC-based ACL
- Source MAC / IP address binding
- Port Security for Source MAC address entries filtering
- DHCP Snooping to filter distrusted DHCP messages
- Dynamic ARP Inspection discards ARP packets with invalid MAC address to IP address binding
- IP Source Guard prevents IP spoofing attacks
- Auto DoS rule to defend DoS attack
- IP address access management to prevent unauthorized intruder

Management

- IPv4 and IPv6 dual stack management
- Switch management interfaces
 - Console / Telnet command line interface
 - Web switch management
 - SNMP v1, v2c, and v3 switch management
 - SSH / SSL secure access
- User privilege levels control
- System maintenance
 - Firmware upload/download via HTTP / TFTP
 - Configuration upload / download through web interface
 - Dual images
 - Reset button for system reboot or reset to factory default
 - Built-in Trivial File Transfer Protocol (TFTP) client
- Four RMON groups (history, statistics, alarms and events)
- **IPv6** IP Address / NTP / DNS management and ICMPv6
- BOOTP and DHCP for IP address assignment
- DHCP Relay
- DHCP Option82
- NTP (Network Time Protocol)
- Link Layer Discovery Protocol (LLDP) and LLDP-MED
- Cable Diagnostic technology provides the mechanism to detect and report potential cabling issues
- PLANET Smart Discovery Utility for deployment management

Ordering Information

WAPC-1232HP

Wireless AP Controller with 8-Port 802.3at PoE+ (10 x 10/100/1000T + 2 x 100/1000 SFP, 32 x APs controllable)

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