PIAP-11AC-D-48C
CARRIER GRADE INDOOR AP

DATASHEET

The Pronto Intelligent Access Point PIAP-11AC-D-48C is a carrier grade 2x2 dual concurrent band 802.11ac Cloud Access Point designed for high user density environments. The PIAP-11ACD-48C is a plug and play Wi-Fi device that works with both Pronto Cloud Controller (PCC) and UNIFi Controller to bring auto-detection, auto configuration and auto-provisioning capabilities to complex Wi-Fi networks.

PIAP-11AC-D-48C has data transfer rates of up to 1.2Gbps.This PIAP isdesigned with indoor industry standard and can be operated in most environments to support broadband access service to wired or wireless users.

PRODUCT HIGHLIGHTS

- IEEE 802.11ac 2.4/5
- Supports 100 concurrent users
- Carrier grade design

- Interference Mitigation
- Cloud based Monitoring
- Captive portal Support

- Supports 32 SSIDs
- Zero Touch Configuration
- SSID to VLAN Mapping

Industry Standard Security

PIAP-11AC-D-48C is complaint with IEEE 802.11ac (MIMO2x2) with backward compatibility to 802.11n. It supports multiple security methods, WEP, WPA/WPA2-PSK, 802.1x Auth MAC Auth and Web Auth. Denial of accessing by MAC ACL make your business network safe from intruders or from malicious software attacks.

Superior Cloud Managed Wi-Fi

The PIAP-11AC-D-48C access points come cloud enabled and provides easy visibility of your Wi-Fi network from an intuitive web interface. Remain in control of your network with SMS and email alerts for predefined events, monitor your network and update network policies and integrate monetization services.

The PIAP-11AC-D-48C is always monitored and kept up to date from the cloud. When plugged in, PIAP automatically connects to the Pronto Cloud Controller, downloads its configuration, and joins the appropriate network.Manage multisite networks remotely and deploy new firmware, enhancements over the web without any need for dedicated onsite resources.

Physical Specifications

Dimension	160 mm x 160 mm x 40mm
Weight	0.5 Kg
LEDs	PWR, ETH, 5G, 2.4G

User Environment

Operating Temperature	0° C to 45° C
Humidity	5% ~ 95% non-condensing

Networking Specifications

SSIDs	32
Layer 2 and Layer 3	802.1Q, 802.1D, Layer 3 routing,WDS, Port Forwarding, VLAN tag mapping to SSID
Security	NAT, 802.1x, 802.11i, WPA2-TKIP, WPA2-A E S, MAC filtering, Captive portal support, WALLED GARDEN, IP filtering
Management	HTTPS, SNMP, Web-based local management
Quality of Service (QoS)	WLAN and Per user
WLAN (AP)	AP management, WLAN QoS, WLAN security, WLAN radio management, WLAN user management
Network Services	DNS Proxy, DHCP Server, Client, Relay
Advanced Features	Failover, Load balancing, IP Pass-through, GRE, VPN Pass-through

Power

Maximum power	< 12W
Power supply	802.3af or 12V/1A

Mounting

Installation	Ceiling or Wall Mounted

Available interfaces

802.11 Wireless Interface	Dual Radio, 802.11a/b/g/n/ac, 2.4GHz and 5.2GHz
Ethernet	10/100/1000 Base-T interface MDI/MDIX auto-sense

Radio Specifications

Wireless medium	Direct Sequence Spread Spectrum (DSSS) Orthogonal Frequency Division Multiplexing (OFDM)
802.11ac Capabilities	2X2 MIMO with 2 Spatial Streams 20, 40 and 80 MHz Channels 1.16Gbps data rates on dual concurrent radio operations Upto 100 Concurrent users includes both radio bands
Network standards	IEEE 802.11a/b/g/n/ac, 802.11d and 802.11i, WPA2, WMM
Data rates supported	802.11b/g : 1,2,5.5,11,6,9,12,18,24,36,48 and 54 Mbps 802.11a : 6,9,12,18,24,36,48, and 54 Mbps 802.11n : MCS 0-15 up to 300 Mbps 802.11ac : MCS 0-9 up to 867 Mbps
Operating frequencies	2.412 GHz ~ 2.4835GHz 5.150 GHz ~ 5.875
Antenna	Vertical polarization 3dBi

Certifications

Safety	FCC, CE, UL
Transmit Power	2.4 GHz Band : 24dBm 5 GHz Band : 24 dBm

Receiver sensitivity

802.11g(non HT20)	-91dbM @ 6Mbps -77dbM @ 54Mbps
2.4 GHz : 802.11n	MCS0/8/16 : -91dbM -88dbM (HT40) MCS7/15 : -74dbM (HT20), -71dbM (HT40)
802.11a	-93dbM at 6Mbps, -77dbM at 54Mbps
802.11ac	MCS0 : -91dbM (VHT20), -88dbM (VHT40), -85dbM (VHT80) MCS8 : -70dbM (VHT20) MCS9 : -64dbM (VHT40), -61dbM (VHT80)