



CARRIER GRADE OUTDOOR AP

PIAP-11AC-D-480

DATASHEET



The Pronto Intelligent Access Point PIAP-11AC-D-480 is a carrier grade 2x2 dual concurrent band 802.11ac Cloud Access Point designed for high user density environments. The PIAP-11AC-D-480 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-480 has data transfer rates of up to 1167Mbps & has a coverage distance of upto 100 meters. This PIAP is designed with outdoor 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 200 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-480 is compliant 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 from the Internet.

SUPERIOR CLOUD MANAGED WI-FI

The PIAP-11AC-D-480 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-480 is always kept up to date from the cloud. When plugged in, it automatically connects to the Pronto Cloud Controller, downloads its configuration, and joins the appropriate network.

Physical Specifications	
Dimension	315mm * 145 mm * 80 mm
Weight	0.5 Kg
LEDs	PWR, ETH, 5G, 2.4G
User Environment	
Operating Temperature	0° C to 50° 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 Peruser
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 200 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	5dbi omni antenna
IP Rating	IP65
Certifications	
Safety	FCC, CE, UL
Transmit Power	2.4 GHz Band : 26dBm 5 GHz Band : 26 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)