



INTELLIGENT ACCESS POINT PIAP-11N-S-48OB

The Pronto Intelligent Access Point PIAP-11N-S-48OB is designed to provide wireless Mesh network coverage over large outdoor areas without the availability of plug-in power or running long powering cables. The Pronto SolarMesh contains a 802.11 b/g /n radio enabled Access Point, Li-ion battery, and charge controller, all integrated into a weatherproof enclosure.

The Pronto SolarMesh, allows for superior WiFi & network coverage across your property. The Gateway, is connected to your Internet connection (any make of router), and additional Pronto SolarMesh just require power & good line-of-sight." Pronto SolarMesh can be placed large distance apart and you can "hop" up to two times in every direction.

It is also integrated with Pronto Cloud controller (PCC) enabling you to monitor, configure and auto-provision the unit remotely – a plug and play WiFi device. Each unit is completely self-contained & ready to mount on roofs, poles, or anywhere else the sun shines. The system is designed to provide 24x7 uptime in most locations worldwide. The Pronto SolarMesh is completely energy independent and runs on it's own state-of-the-art solar-charged battery



PRODUCT HIGHLIGHTS

- Cloud based Management and Monitoring
- Supports 32 SSIDs
- 50% increased range when compared to other carrier grade 802.11n devices.
- Weatherproof, UV resistant, outdoor enclosures - Wall or Pole Mounted
- Enabled to be power from solar panel/wind tunnel
- Inbuilt Advanced battery charge controller to protects against overcharge and over discharge and High Performance Li-ion Battery

PERFECT SOLUTION FOR OUTDOOR ENVIRONMENT

The PIAP-11N-S-48OB is perfectly suitable in outdoor environments and exposed locations. With strong housing, the unit can perform normally under rigorous weather conditions and can operate at the temperature from -45 to +65 Degree C; thus it can operate more stably than general outdoor equipment's.

The Pronto SolarMesh is very easy to install. It just needs, very rudimentary wiring skills to connect the batteries and the solar panel with the solar controller, and the ability to set up a strong mast or tower.

SUPERIOR CLOUD MANAGED WI-FI

Manage and configure your Wi-Fi while on the go. The PIAP-11N-S-48OB access points are 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. Do all this and more without any need for expensive controllers or dedicated onsite technical staff.

MULTIPLE OPERATING & WIRELESS MODES

The PIAP-11N-S-48OB supports multiple wireless communication connectivity (AP / Client CPE / WDS PtP / WDS PtMP / Repeater/ Mesh) allowing for various application requirements and thus it gives users more comprehensive experience when using the PIAP-11N-S-48OB. It helps users to easily build a wireless network and extend the wireless range of existing wireless network.

APPLICATIONS

- Wireless Base Stations & Clients
- Wireless Bridge & Repeaters
- Remote Lighting
- Surveillance Cameras
- Remote Sensors
- Point to Point Bridge & Mesh

PRODUCT SPECIFICATIONS

» Physical Characteristics

Dimension: 450cm x 253cm x 35cm

Weight: 3.5Kg

Installation: Wall-hanging or pole-holding

Operating Temperature: -45° C ~ 65° C

Operating Mode: AP / Client CPE / WDS PtP / WDS PtMP / Repeater/ Mesh

Humidity: 5% C ~ 95% C% non-condensing

Ethernet: 10/100/1000 Base-T interface

Regulatory Compliance: FCC, CE, UL

Charge Controller: An advanced battery charge controller to protect against over-charging or over-discharging of the Li-ion batteries.

Li-ion Battery: 20AH battery

Operating mode: AP, WDS Bridge

MIMO Capabilities: 2 x 2:2

Multiple SSIDs: 32

» Receive Sensitivity

802.11g: 91dbM@6Mbps, -77dbM@54Mbps

802.11n: MCS0/8/16: -91dbM (HT20), -88dbM (HT40)

MCS7/15: -74dbM (HT20), -71dbM (HT40)

MCS8: -70dbM(VHT20)

MCS9: -64dbM(VHT40), -61dbM(VHT80)

» Advanced features and performance

Wireless Security: WPA2-TKIP, WPA2-A E S, MAC filtering

Other features: External Captive Portal support, ACL, Vlan tag on SSID, SSID and Per SSID QoS, Port Forwarding, Remote WEB management, L2oGRE, WDS, DHCP and Static

» Wi-Fi

Antenna(dBi): 8dBi Omni antenna or Optional external antennas

Beam Width(°): V:60 / 65, H:120 / 120