pronto *networks*

MOBILE BROADBAND ROUTER
PIAP-11N-M2S-SW

PIAP-11N-M2S-SW is 4G/3G WiFi router / Gateway built for primary access, M2M and failover connectivity. PIAP-11N-M2S-SW is outfitted with 1 Ethernet port & 1 WAN port, Local Area Network WiFi (802.11 b/g/n) and Wide Area Network 3G /4G for wireless access, a USB 2.0 data interface and a MICRO SD card interface (TF) for storage extensibility. Built to last, the robust metal casing offers excellent anti-interference performance.

PIAP-11N-M2S-SW's flexible technology supports best in class embedded module to deliver connectivity through carriers such as Verizon, AT&T, T-Mobile and Sprint across LTE, WCDMA, CDMA, 1xRTT/EV-DD Rev A, GSM, GPRS, EDGE. PIAP module features LTE Quality of Service on 3G/2G/CDMA 1xRTT network.

PRODUCT HIGHLIGHTS

- Cloud based Monitoring and Management
- One SIM card slot support 3G/4G dial-up
- Multi-WAN support and load balancing

- Two 10/100 Mbps RJ45 port, Auto MDI/MDIX
- Captive portal support
- Failover support

SUPERIOR CLOUD MANAGED WI-FI

Mange and configure your Wi-Fi while on the go. The PIAP-11N-M2S-SW access point comes 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 and update network policies and integrate monetization services. Do this without a hardware controller using UNIFi controller in a Private cloud or using Pronto Cloud Controller.

The advanced PIAP-11N-M2S-SW facilitates rapid failover from the wired connection to the 3G/4G LTE Wireless WAN connection in the event of a wired failure.

User Environment

Operating temperature	0ºC ~ 40ºC
Work Mode	40ºC ~ 70ºC (AP Storage temperature)
Relative humidity	10% ~ 90% Non-Condensing
Storage Humidity	5% ~ 95% Non-Condensing

Physical Characteristics

LEDs	Power, 2.4G, WAN, LAN
Button	Reset

Networking Specifications

SSIDs	8
Layer 2 and Layer 3	802.1Q, 802.1D, DHCP Server/client, Layer 3 routing, Port Forwarding, ACL
Security	802.11i, WPA2-TKIP, WPA2-A E S, WPA2-PSK, MAC filtering, Captive portal support, WALLED GARDEN, IP filtering
Network Services	DNS Proxy, DHCP Server, Client, Relay
Management	HTTPS, SNMP, Web-based local management
Quality of Service (QoS)	WLAN and Per user
Advanced Features	WAN Failover, Load balancing, IP Pass-through, GRE, VPN Pass-through
WLAN (AP)	AP management, WLAN QoS, WLAN security, WLAN radio management, WLAN user management
WLAN speed	300Mbps

Power

Maximum power	<12w

Available Interfaces

802.11 Wireless Interface	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Ethernet	10/100M WAN port 10/100M LAN port

Radio Specifications

Network standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE 802.3, IEEE 802.3u
Operating frequency	2.4GHz
Antenna	5dBi External antenna x 4
Wireless Broadband Technology	LTE
Data Rates	Downlink : 100Mbps (20MHz bandwidth) 50Mbps (10MHz bandwidth) Uplink : 50Mbps (20MHz bandwidth) 25Mbps (10MHz bandwidth)
Transmit Power	802.11b 18dBm±2dBm 802.11g 15dBm±2dBm 802.11n 15dBm±2dBm
Receiver sensitivity	802.11b : -83dBm@10% PER 802.11g : -74dBm@10% PER 802.11n : -68dBm@10% PER
Certifications	FCC, CE, UL