

# Pronto Networks 4G Failover Router PC-31

DATASHEET

## WIRELESS CONNECTIVITY

Pronto Networks PC-31 series routers are high speed LTE advanced routers that provide plug and play wireless connectivity for fixed business venues. Designed for retail, distributed enterprises and POS deployments, the PC-31 is a versatile solution that offers wired Ethernet and 4G/3G wireless WAN connectivity.

## ENTERPRISE PERFORMANCE

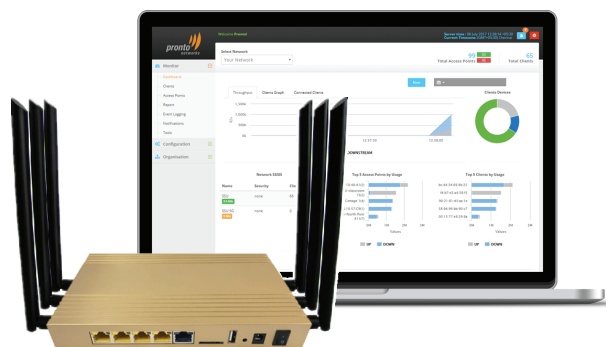
PC-31 Router supports WLAN speeds of 1.6 Gbps and has integrated dual-concurrent 5 Ghz and 2.4 Ghz radio supporting data rates of 1.2Gbps on wireless radios. With high speed 4G/3G wireless connectivity, enterprise can deliver 4G as a primary WAN connection, robust failover or to support M2M technologies.

## PRONTO NETWORKS SUPPORT

The PC-31 comes with 1- year hardware warranty. For further warranties or details around support packages please contact your Pronto Networks representative.

## PRONTO NETWORK ENTERPRISE CLOUD CONTROLLER

The PC-31 4G gateway routers come cloud enabled and allow for easy visibility of a location's wired and wireless network from an intuitive web interface. The Pronto Cloud Controller allows partners to rapidly deploy complex Wi-Fi networks while reducing costs. Manage multisite networks remotely and deploy new firmware and enhancements over the web without any need for dedicated onsite resources. With advanced security and routing features, IT team can leverage enterprise features to further encrypt and manage their network.



## PRONTO PC-31 IS IDEAL FOR:

- Point of Sales partners
- Retail branch sites
- Temporary Pop up stores
- Kiosks
- Digital media installations
- Guest Wi-Fi
- Telemetry and IOT solutions
- Security



## FEATURES AND BENEFITS

- Multiple functions as Primary access, failover that support flexible deployment scenarios
- High speed LTE Advanced for mission critical networking applications
- Embedded enterprise grade wireless module for business continuity
- POS transactions and mission critical devices are protected by VPNs, firewalls and security features
- Multiple SSIDs to simplify PCI compliance, create dedicated networks for digital signage & surveillance solutions
- Automated failover/fail-back
- Protect LAN clients with advanced encryption, VLANs and segmentation tools
- Enterprise cloud manager to help manage distributed deployments and reduce ongoing costs

# PIAP-11AC-M-GW4

## TECHNICAL SPECIFICATIONS



| User Environment              |  |
|-------------------------------|--|
| Operating temperature         | 0° C to 45° C  |
| Humidity                      | 5% ~ 95% non-condensing  |
| Physical Characteristics      |  |
| LEDs                          | PWR, ETH, 5G, 2.4G   |
| Button                        | Reset  |
| Networking Specifications     |  |
| SSIDs                         | 32   |
| Layer 2 and Layer 3           | 802.1Q, 802.1D, Layer 3 routing, WDS, Port Forwarding, VLAN tag mapping to SSID, ACL   |
| Security                      | 802.11i, WPA2-TKIP, WPA2-AES, WPA2-PSK, MAC filtering, Captive Portal support, walled garden, IP filtering, Client Isolation   |
| Network Services              | DNS Proxy, DHCP Server, Client, Relay  |
| Management                    | Cloud management   |
| Quality of Service (QoS)      | WLAN and Per user  |
| Advanced Features             | 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                    | 1.6Gbps  |
| Power                         |  |
| Maximum power                 | < 12w  |
| Power supply                  | 9v - 12v, 1A   |
| Available Interfaces          |  |
| 802.11 Wireless Interface     | Dual Radio, 802.11a/b/g/n/ac, 2.4GHz and 5.8GHz  |
| Ethernet                      | 10/100/1000 Base-T interface MDI/MDIX auto-sense, 1 WAN & LAN Gigabit Ports, 1 USB Port  |
| Wireless Broadband Technology | LTE  |
| Radio Specifications          |  |
| Wireless Medium               | Direct Sequence Spread Spectrum (DSSS)<br>Orthogonal Frequency Division Multiplexing (OFDM)  |
| 802.11ac Capabilities         | 2X2 MIMO with 2 Spatial Streams<br>20, 40 and 80 MHz Channels<br>1.16Gbps data rates on dual concurrent radio operations<br>Upto 100 Concurrent users                        |
| 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<br>802.11a : 6,9,12,18,24,36,48, and 54 Mbps<br>802.11n : MCS 0-15 up to 300 Mbps<br>802.11ac : MCS 0-9 up to 867 Mbps |

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|                             |  |
|-----------------------------|--|
| LTE Frequency Bands         | FDD LTE: B1/B3/B5/B7/B8/B20<br>TDD LTE: B38/B40/B41<br>WCDMA: B1/B5/B8<br>GSM: B3/B8                                     |
| LTE Data                    | LTE FDD: Max 150Mbps (DL) Max 50Mbps (UL)<br>LTE TDD: Max 130Mbps (DL) Max 35Mbps (UL)                                   |
| Operating Frequencies       | 2.412 GHz ~ 2.4835GHz<br>5.150 GHz ~ 5.875   |
| Antenna                     | 6PCS external 6dBi antenna   |
| Transmit Power              | 2.4 GHz Band : 24dBm<br>5 GHz Band : 24 dBm  |
| <b>Receiver Sensitivity</b> |  |
| 802.11g(non HT20)           | -91dbM @ 6Mbps<br>-77dbM @ 54Mbps  |
| 2.4 GHz : 802.11n           | MCS0/8/16 : -91dbM -88dbM (HT40)<br>MCS7/15 : -74dbM (HT20), -71dbM (HT40)   |
| 802.11a                     | -93dbM at 6Mbps, -77dbM at 54Mbps  |
| 802.11ac                    | MCS0 : -91dbM (VHT20), -88dbM (VHT40), -85 dbM (VHT80)<br>MCS8 : -70dbM (VHT20)<br>MCS9 : -64dbM (VHT40), -61dbM (VHT80) |
| <b>Certifications</b>       |  |
| Safety                      | FCC, CE, UL  |



FRONT

- USB Slot
- Indicators



BACK

- 4 LAN Ports
- 1 WAN Port
- Reset Button
- DC Power
- Power Button
- USB Port