



NetPoint Pro 6x2.4 G2

The NetPoint Pro 6X2.4 G2 is an Omni-directional multi-radio weather-proof design intended for street-level light-pole/utility pole Wi-Fi applications.

The NetPoint Pro 6X2.4 G2 is equipped with NBF powered beam forming 802.11b/g radio for high-performance access &.

With NBF adaptive beam forming technology, the NetPoint Pro 6X2.4 G2 outperforms competing solutions, providing much better than twice the range, coverage, subscriber access and performance.

The extended range and extra capacity delivered by NetPoint Pro 6x2.4 G2 ensures better economics for WiFi coverage projects by reducing the number of base stations needed.

Product Highlights

- Robust weather-proof mesh Wi-Fi base station
- Superior 802.11 b/g accessed powered by NBF adaptive beam forming smart antenna technology
- Multiple virtual APs with multiple BSSIDs
- NMS for network and RF spectrum optimization
- Highly flexible, highly reliable mesh Wi-Fi architecture
- Advanced adaptive beam forming smart antenna technology
- Maximum performance and interference mitigation
- Rural to suburban to metropolitan scale
- Superior coverage and performance
- Superior economics



Product Specifications

Radio

| | | | | | | | | | | |
|----------------------------|---------------------------------|-----------------------------------|---------|----------|---------|---------|---------|---------|---------|--|
| Wireless Network Standards | IEEE 802.11a/b/g | | | | | | | | | |
| Radio Interfaces | Access: 802.11b/g | | | | | | | | | |
| Frequency bands | 2.412-2.472 GHz | | | | | | | | | |
| Smart Antennas technology | NBF* smart antenna beam forming | | | | | | | | | |
| Antennas | Detachable omni-directional | 2.4 GHz | | | | | | | | |
| | | Horizontal | 360° | | | | | | | |
| | | Vertical | 20° | | | | | | | |
| | | Gain | 7.4 dBi | | | | | | | |
| Tx Power (typical EIRP) | ETSI | 20 dBmi | | | | | | | | |
| | FCC | 42 dBmi | | | | | | | | |
| Rx Sensitivity (FCC) | 802.11b | 1 Mbps | 2 Mbps | 5.5 Mbps | 11 Mbps | | | | | |
| | | -102 dBm | -99 dBm | -95 dBm | -92 dBm | | | | | |
| | 802.11g | 6 Mbps | 9 Mbps | 12 Mbps | 18 Mbps | 24Mbps | 36 Mbps | 48 Mbps | 54 Mbps | |
| | | -93 dBm | -93 dBm | -92 dBm | -90 dBm | -88 dBm | -83 dBm | -82 dBm | -80 dBm | |
| Modulation | 802.11 b | DSSS (DBPSK , DQPSK, CCK) | | | | | | | | |
| | 802.11 g | OFDM (BPSK, QPSK, 16-QAM, 64-QAM) | | | | | | | | |

Networking

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|---------------------------|----------------------------------|-------------|------------------------------------|-------------------|---|
| Wireless | 802.11s draft compatible meshing | QOS | Statistical traffic classification | Management | Private, standard MIBs |
| | WDS CPE support | | 802.11q VLAN | | Local CLI via serial port |
| | Multiple ESSIDs' & BSSIDs' | | WME | | SNMP v2 (NMS) (configuration, statistics and alarms) |
| Authentication & Security | 802.11i | IP Protocol | Layer 2, 3 support | Remote SW upgrade | Web interface |
| | WPA/WPA2 (WPA-PSK, WPA-EAP) | | DHCP Client | | Telnet/SSH CLI |
| | WEP 64/128 bit encryption | | FTP, TFTP, Web | | |
| | MAC filtering | | | | |
| | 802.1x | | | | |
| | AES mesh encryption | | | | |

Hardware

| | | | | | |
|-------------------|---|---------------------------|---|---------------------------------|--------------------------------|
| Interfaces | IP67 Weatherproof RJ-45 100Base-T Ethernet with auto cross over | Dimensions (W x D x H) | 33 x 24.5 x 12 cm | Operating Temperature | -40° to 55 °C, -40° to 131 °F |
| | IP67 Weatherproof RJ-45 Serial port (configuration) | | 13 x 9.6 x 4.7 in | | Storage Temperature |
| Power input | 48 VDC or 90-240 VAC | Weight | 7 kg, 15.4 lbs | Operating relative humidity | 15% - 100% (non-condensing) |
| Power consumption | 36 W | Installation | Generic mount for pole and wall installations | Non-operating relative humidity | 5% - 95% (non-condensing) |

Standards

| | | | | | |
|----------------------------------|--------------------------------|--------|------------------------|---------------|---|
| EMC Standards | US: FCC Part 15.107 and 15.109 | Safety | US, Canada: UL 1950 | Environmental | Wind: >165 mph |
| | Europe: EN 301.489-1 and -17 | | US, Canada: UL 60950-1 | | Up to 100 mph sustaining, Up to 165 mph gusts) |
| EMI and Susceptibility (Class B) | US: FCC Part 15.107 and 15.109 | | Europe: EN 60950-1 | | Europe: EN 300.019-2-4 class 4.1 and EN 300.019-2-2 class 2.3 |

*About NBF (Netronics Beam Forming)

NBF Smart Antenna Technology lies at the core of the NetPoint Pro G2 Performance. NetPoint Pro innovatively leverages state-of-the-art beam forming RF technology to deliver unmatched subscriber access combined with the best performance, coverage, and interference mitigation, resulting in more than twice the range, capacity and coverage.



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