



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 & coverage.

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 dBm									
	FCC	42 dBm									
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

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		DHCP Client			Telnet/SSH CLI						
	(WPA-PSK, WPA-EAP)											
	WEP 64/128 bit encryption											
	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		-40° to 60 °C, -40° to 140 °F					
Power consumption	36 W	Installation	Generic mount for pole and wall installations		Operating relative humidity					
					15% - 100% (non-condensing)					
					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						
	Europe: EN 301.489-1 and -17									

*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.



600-15 Allstate Parkway, Markham
Ontario, Canada
Tel: +1 (905) 415 4585
Email: info@netronics-networks.com

Netronics-networks.com