



NetPoint CPE 5x200n

Low cost outdoor Customer Premises Equipment for wireless connectivity with NetPoint base stations.

Product highlights:

- 802.11n compliant ensuring compatibility with any standard WiFi base station
- 2x2 MIMO built in antenna with connectors for external antenna, software switchable
- Up to 200 Mbps aggregated throughput
- Two Ethernet ports
- High power and durable indoor unit
- Wide frequency range



Key benefits:

- Easy installation with IP55 rated enclosure
- 2x2 MIMO technology ensures excellent nLOS performance
- Web based management and detailed reporting
- Can be used for short range low cost point to point link with another device of same type
- Vast range of software features for access control and security

The wireless outdoor market continues to demand long distances, higher capacities and more advanced features, and more importantly the lower cost. In order to address this demand Netronics has introduced NetPoint CPE 5x200n, the low end customer premise equipment developed for the unlicensed 5.8 GHz band.

NetPoint CPE 5x200n is an all-in-one, cost-effective, weatherproof wireless device featuring high output power as well as all the essential features for both operating as an Access Point or a CPE Client. This dual approach offers greater flexibility and reduced inventory stock as this unit can perform all the necessary functions to construct reliable wireless networks. NetPoint CPE 5x200n is unique in that it includes a dual-polarity 16dBi directional antenna for bridged connections and if more power or coverage is required you can bypass the integrated antenna and connect a higher gain antenna to its 2 SMA-R female RF connectors.

A robust firmware enriched with a wide range of tools and features has made NetPoint CPE 5x200n an ideal choice for low cost connectivity in both point to point and point to multi-point scenarios.



Once used as a client for the powerful NetPoint base station series, NetPoint CPE 5x200n can offer a high capacity, robust and yet low cost point to multi-point connectivity solution. This solution can deliver excellent nLOS performance thanks to the advanced 2x2 MIMO technology.



Specifications

Radio Specification:

Chipset Solution	RF: Atheros AR9280 NPU: AR7240			
Antenna – Default configuration	16 dBi integrated directional antenna (dual polarity)			
External RF connector	2 x SMA-R female connectors			
Antenna Configuration	2 x 2 (2 Tx, 2 Rx)			
Modulation	OFDM: BPSK, QPSK, 16-QAM, 64-QAM			
Available Data Rates (Mbps)	IEEE 802.11a – 54, 48, 36, 24, 18, 12, 9, 6 IEEE 802.11n (draft) – 135, 130, 121.5, 117, 108, 104, 81, 78, 65, 58.5, 54, 53, 40.5, 39, 27, 26, 19.5, 13.5, 13, 6.5, 6			
Receiver Sensitivity	802.11a		802.11n	
	6-24 Mbps: \leq -89 dBm		54 Mbps: \leq -73 dBm HT20/MSC0 \leq -89 dBm	
RF Frequency	FCC (North America)		ESTI (Europe)	
	5.725 GHz – 5.825 GHz		5.470-5.725 GHz / 5.725-5.825 GHz	
Average RF Output Power (\pm 1.5dB)* *actual power may vary based on regulatory requirements	802.11a		6-24 Mbps	24 \pm 1.5 dBm
			36 Mbps	24 \pm 1.5 dBm
			48 Mbps	22 \pm 1.5 dBm
			54 Mbps	21 \pm 1.5 dBm
	802.11n	HT20	MCS 0	23 \pm 1.5 dBm
		MCS 15	20 \pm 1.5 dBm	

Electrical Specification:

Power Requirements	15 VDC @ 800 mA (switching)
PoE	Passive 15 V PoE
Power Consumption	900 mA @ 15 VDC

Environmental Specification:

Operating Temperature	-20° C ~ 70° C
Storage Temperature	-30° C ~ 80° C
Operating Humidity (non-condensing)	5 to 95 % RH
Green	RoHs Compliant

Firmware Key Features:

Security Settings	Open system
	Shared Key (64/128/152-bits WEP)
	802.1X only
	WPA
	WPA2
	WPA-PSK(TKIP) WPA2-PSK(AES)
Access Control	Allow / Deny STA list
	STA Flow control for allowed stations
Event Log	Supported
Site Survey	Supported

Physical Specification:

Dimension	111 mm(l) x 256 mm(w) x 48 mm(h)
Enclosure	IP55 Plastic

Standards:

Regulatory Compliance	FCC Part 15, CE EN300 328, EN301 489-1/17, EN60950
Standards Compliance	IEEE 802.11a; IEEE 802.11n; IEEE802.3u MDI / MDIX 10/100 Fast Ethernet



Netronics Technologies Inc.
600-15 Allstate Parkway
Markham, Ontario, L3R 5B4,
Canada
Tel: + 1 (905) 415 4585
Fax: + 1 (416) 352 5720

Middle East Office
P.O.Box 29650, Dubai, U.A.E
Tel: + (9714) 358 32 35
Fax: + (9714) 358 32 36



www.netronics-networks.com