



ISPAIR 54Mb CPE 510 Series

ISPAIR 54Mb CPE 510 series are used to provide internet access to end-users using point-to-multipoint architecture at 54Mbps in 2.4GHz and 5GHz ISM unlicensed band. Wireless data links take place where there is no infrastructure for internet access or in places where bandwidth offered by current channels is too low. With our wireless equipment you can get high bandwidth on very long distances at a very reasonable price. Our equipment provides various features including Routing, Firewall NAT, DHCP, bandwidth control and many more.

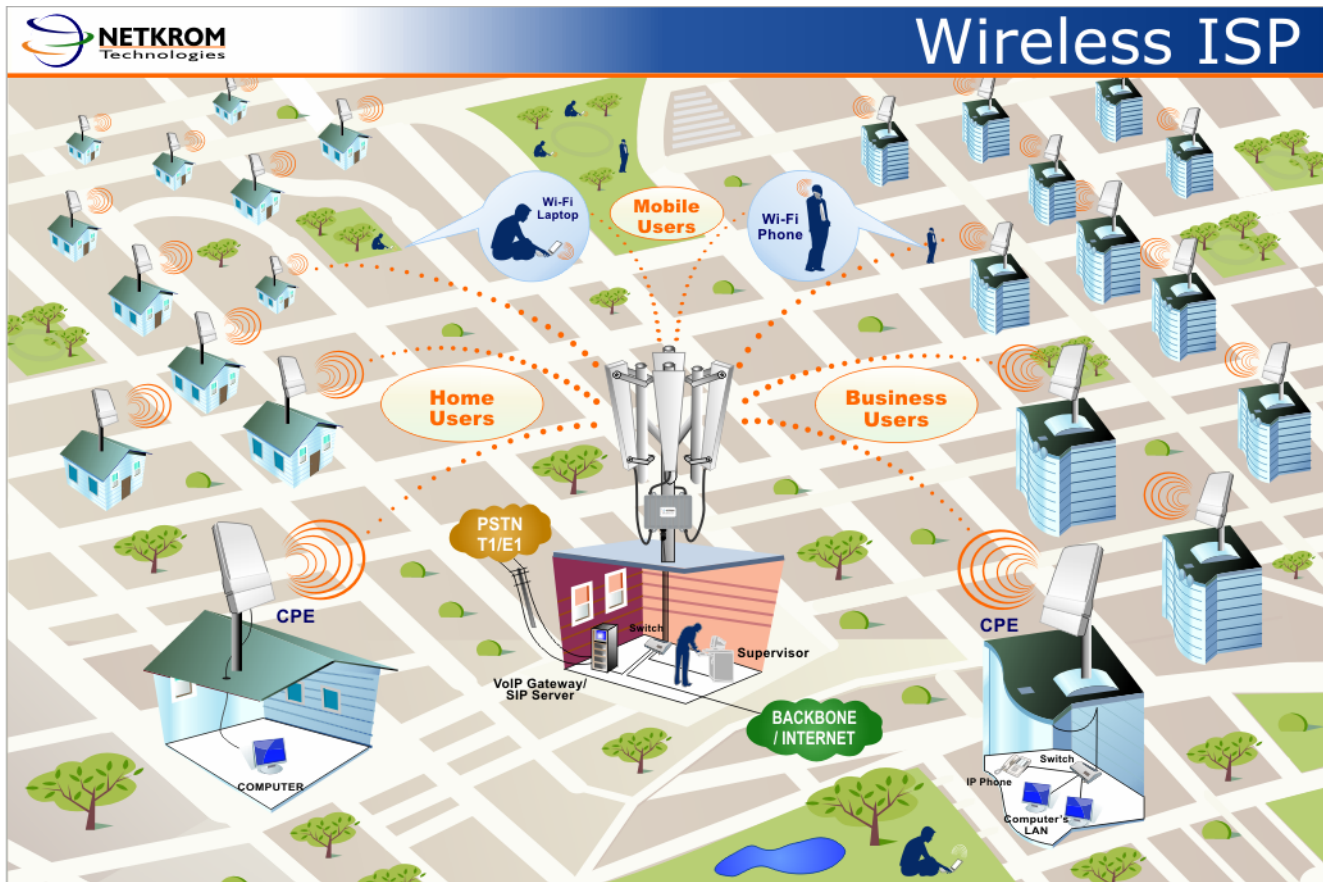
The Client CPE with Integrated Antenna is the most comprehensive wireless solution, which includes powerful wireless router with Power over Ethernet (PoE) feature, all embedded in high-gain directional antenna. Flat Panel Antenna offers wide territorial coverage with no signal waste and the Power over Ethernet injector provides the possibility to deliver both necessary power and data to your router (which is attached to the antenna) over a single Ethernet cable.



Features:

- ✦ Cost effective solution
- ✦ Complete Outdoor Weatherproof Solution
- ✦ All-in-One Wireless CPE device
- ✦ Integrated Power over Ethernet
- ✦ Web Management and SNMP support
- ✦ High-speed wireless data links (Up to 54Mbps)
- ✦ Connection distance up to 3 miles (5km)
- ✦ Firewall, NAT, IP Routing, DHCP
- ✦ MultiSSID (up to 4 SSIDs with unique MAC address (BSSID))
- ✦ Bandwidth control
- ✦ High level security with full 64/128Bit WEP Encryption
- ✦ Atheros XR Chipset - Advanced long-range features
- ✦ WDS - Wireless Distribution System
- ✦ Antenna Alignment and Wireless Site Survey
- ✦ Fast and simple installation for base station and Clients

Applications:





ISP-CPE510 Specifications:

Model	ISP-CPE510G	ISP-CPE510A
Ethernet Port	10/100Base-TX (RJ-45)	
Operating Frequency / Channel	2.412 ~ 2.462GHz (FCC -US) 2.412 ~ 2.472 (ETSI - EU) 2.412 ~ 2.484 (TELEC - JAPAN) (*) Programmable for different country regulations	5.15~5.35 & 5.725~5.850 GHz (FCC - US) 5.15~5.35GHz & 5.47~5.725GHz (ETSI - EU) 5.15~5.25GHz (TELEC - JAPAN) (*)Programmable for different country regulations
RF Modulation	802.11b: DSSS (BPSK, QPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)	802.11a: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
RF Output Power	26dBm at Radio 34dBm at EIRP	
Sensitivity	-90dBm@6Mb -70dBm@54Mb	
Data Rate	54, 48, 36, 24, 18, 12, 6, 11, 5.5, 2, 1Mbps	54, 48, 36, 24, 18, 12, 6 Mbps
RF Operation Mode	Access Point (bridge or router function) AP Client (bridge or router function) Station (bridge or router function) Repeater (bridge function) WDS (bridge function) Ad-Hoc (bridge function)	
Range	3 miles (5 Km)	3 miles (5 Km)
Data Security	WEP 64/128/152 - bit Mac Address Filtering IEEE 802.1x—TLS, TTLS, PEAP WPA-PSK and WPA-EAP, WPA2 (with AES encryption technique)	
Network Advanced Features	Transparent Bridging Layer 2 (Mac Address) Forwarding Layer 3 (IP Address) Forwarding Static Routing DHCP Server and Client PPPoE Client/PPTP Client Vlan (802.1Q) Support Advance Statistics Graphical User Interface Monitor Utilities (Ping and Trace Route)	
Link parameters	Antenna alignment and RSSI Signal levels Site Survey Radio and Ethernet Traffic Statistics	
Management	Web and Netkrom NMS – Network Management System	
Power	Power over Ethernet – PoE 802.3af (AC 110~220/DC 48V) with surge protector	
Dimensions	9.84"x5.11"x2.36" in 250x130x60 mm	
Weight	1.5 Lb (0.7 Kg) complete set	
Cable	50", 100", 150", or 200" length Outdoor CAT5E Rated Shielded Cable (Optional)	
Humidity	-10-90%, (Operating)	
Temperature	-4 to 158 Deg F (-20 to 70 Deg C)	
Compliant	FCC Part 15 class B, CE Mark, ETSI 300 328	
Antenna Characteristics		
Gain	8 dBi	8 dBi
Frequency Range	2.40 - 2.48 GHz	5.15 - 5.90 GHz
Horizontal -3dBm Beamwidth	64 Deg	58 Deg
Vertical -3dBm Beamwidth	64 Deg	68 Deg
Polarization	Vertical	

Ordering Information:

- ✦ **ISP-CPE510G** ISPAIR 54Mb 2.4GHz 802.11b/g CPE short range subscriber 3 miles - 5Km (Antenna, Radio, Router and PoE in one!)
- ✦ **ISP-CPE510A** ISPAIR 54Mb 5GHz 802.11a CPE short range subscriber 3 miles - 5Km (Antenna, Radio, Router and PoE in one!)

WE PROTECT YOUR INVESTMENT: WiMAX and 802.11n Support



As a company focused exclusively on Wireless data transmission, Netkrom is committed to long-term product planning, backwards compatibility and the integration of new technologies that will allow it to support traditional enterprise markets.