



NIM Wave designs and manufactures wired/wireless communication devices targeting professional operators in the high end of the market, willing to meet and exceed their most sophisticated expectations.

NIM Wave core customers are TELCOs, System Integrators, WISPs in the global worldwide market.

NIM Wave uses his creative spirit of innovation to search and develop new products aimed to fulfill the sweet spots of the market, yet uncovered in the industry, while applies his deep engineering knowledge and his strong organizational competence to manufacture a broad range of network devices leading the market in terms of reliability, maintainability and price.

NIM Wave products fully meet all core requirements to be the answer to:

- WISPs and TELCOs looking for large and immediate availability of high level high functionality routers at reasonable prices, coherent with their target markets
- System Integrators looking for high end devices performing with top scale reliability.

CPEWAVE
FAMILY





Product	CPEWAVE 518S	CPEWAVE 523S	CPEWAVE 515N
Brief Description	5GHz 802.11n Single Chain, integrated 18 dBi antenna, plastic case	5GHz 802.11n Single Chain, integrated 23 dBi antenna, metal case	5GHz 802.11n Dual Chain, integrated 15 dBi antenna, plastic case
Technical data			
Processor:	Atheros AR7241 400MHz network processor , 32MB RAM		
LAN ports:	1x 10/100 Mbit/s Fast Ethernet (Auto-MDI/X)		
Radio module:	AR9283 Atheros Chipset 802.11a/n		
Software:	RouterOS® Level 3		
Dimensions:	185mm x 185mm x 56mm	305mm x 305mm x 70mm	130mm x 198mm x 50mm
Waterproof rate:	IP65		
Work temperature:	-30°C to +60°C		
Power:	passive POE, 10-28 Vdc		
Power Consumption	4,5W max		
Certifications:	CE		
Warranty:	12 months from date of purchase		
Wireless Features			
Frequency:	4.800Ghz – 6.0750GHz		
Modulation	OFDM (64-QAM, 16-QAM,QPSK, BPSK), DSSS (BPSK, QPSK, CCK)		
Standards:	IEEE 802.11a/n (DFS and TPC)		
Channel width:	5MHz, 10MHz, 20MHz, 40MHz		
Max Transmitter TX Power / RX Sensitivity:	802.11a/h: 23dBm/-92dBm (6Mbps), 19dBm/-76dBm (54Mbps)		
	802.11n 5GHz: 22dBm/-92dBm (MCS0), 15dBm/-73dBm (MCS7)		
Included accesories			
Power Supply:	AC adapter 24V 1.25A with integrated passive POE injector		
Mounting kit:	Pole clamping ring 35-50mm (optional Tilt Kit)	Pole clamping ring 40-50mm with Tilt	Pole clamping ring 35-54mm

Simple, versatile and reliable, this product has been designed having in mind the needs of installers and WISPs. The device is composed by an external unit (ODU) and an internal one (IDU) connected by a single Ethernet Cat.5 cable carrying both data and power. The built-in Operating System is the widely used RouterOS®. A solid and reliable Operating System, the de facto standard in the world of outdoor wireless solutions. This system delivers a broad set of functionalities; from bridging to routing, to PPPoE, VLAN, firewall, QoS and many others. The setup of the equipment is simplified by the use of pre-configuration scripts available on our WEB site.

- CPE
- PtP link