

Valemount Networks Cu214 – 2.4GHz Client Unit with integrated 14dB antenna

The Cu214 is a durable high performance client unit featuring a 23dB SuperAG radio and integrated 14dBi antenna covering the 2.4GHz spectrum. This fully integrated unit mounts easily with a minimum amount of effort required in the field. The enclosure system is rugged high grade cast aluminum for maximum protection from the harsh environment. It offers all the features and performance you've come to expect from StarOS.

The Cu214 client unit pairs nicely with our Au200 or Au400 access unit systems. It is also useful as a point to point solution itself, capable of delivering over 30meg of actual throughput.

Specifications	
Frequency Range	2.312 – 2.737 GHz ; Regulatory domain dependent
Channel Spacing and Width	5MHz / 10MHz / 20MHz / 40MHz
Channel Throughput (actual)	6+mbps / 13+mbps / 20+mbps / 30+mbps – uncompressible data throughput 7+mbps / 14+mbps / 30+mbps / 30+mbps – compressible data throughput
Radio	Atheros 5006XS chipset; 23dB Super AG
Advanced RF Features	Advanced Rate Control for Error Correction Advanced RF Filtering and Blocking for enhanced channel spacing Best Path Sequencing for advanced multipath resistance Extended Range with Advanced Digital Signal Processing Enhanced Receive Sensitivity Weak Signal Processing and Enhancement Adaptive Radio support
Connection Rates	108, 96, 72, 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps
Antenna	Integrated 14dBi Vertical Polarization; H- Beamwidth 28.8 degrees; V- Beamwidth 28.8 degrees
Enclosure	Rugged cast aluminum with easy access integrated hinge system
Processor System	Infineon ADM5120 RISC processor capable of delivering over 30meg actual data throughput
Interfaces	Dual auto MDI/MDIX Ethernet ports, with full POE support
Power System	20-48vdc input range; 24vdc typical with our switching power over Ethernet system
Protection Systems	Transient and surge protections for both power and Ethernet systems
Physical	10.23" x 9.88" x 5.62" (260mm x 251mm x 143mm); 4.4 pounds
Temperature Range	-20 through +70 Celsius
Certification	