

Valemount Networks Cu123 - 2.4, 4.9, and 5GHz Client Unit

The Cu123 is a rugged high performance client unit with a 23dB SuperAG radio and integrated N-Female connector. It covers the available spectrum from 2.4GHz through 5.8GHz depending on your regulatory domain, and supports Homeland Security/Public Safety deployments in the 4.9GHz frequency band. The unit is designed to provide maximum versatility for operators to utilize the antenna of their choice for those unique client site installations. Our rugged enclosure system with easy access hinged cover installs quickly, with a minimum amount of work required in the field. It offers all the features and performance you've come to expect from StarOS.

The Cu123 client unit pairs nicely with our Au200 or Au400 access unit systems, and it is also useful as a low density access unit or point to point solution itself.

Specifications	
Frequency Range	2.312 – 2.737 / 4.9 – 6.12 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	Single integrated N-Female connector
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	9.3" x 9.25" x 4.05" (237mm x 235mm x 103mm) ; 3.3 pounds
Temperature Range	-20 through +70 Celsius
Certification	