


Valemount Networks Au400 – Four Radio High Performance Access Unit System

The Au400 is a rugged high performance four radio access unit capable of covering the entire frequency spectrum from 900MHz to 6GHz. Each of its 4 radios is user selectable and independently configurable for unsurpassed deployment versatility. Any combination of frequency and deployment role can be configured – access, mesh, point to point, or client – on any of the 4 radios simultaneously. The Au400 is capable of delivering over 60 meg actual throughput for these deployment scenarios!

The rugged high grade cast aluminum enclosure system features an integrated articulating accessory antenna mounting system for easy deployment of a sector or backhaul antenna on the enclosure. Accessory integrated omni antennas are also available which are ideal for mesh network deployments.

The Au400 access unit is available with any combination of 4 of the following radios: 20dB SuperG, 23dB SuperAG, 26dB SuperG or 700mW 900MHz.

Specifications	
Frequency Range	870-950; 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 / 26+mbps /43+mbps – <u>uncompressible data throughput</u> 7+mbps / 14+mbps / 45+mbps /60+mbps – compressible data throughput
Radios	Any 4 of the following: 20dB SuperG, 23dB SuperAG, 26dB SuperG or 700mW 900MHz
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	Four Integrated N-Female connectors
Enclosure	Rugged cast aluminum with easy access integrated hinge system and articulating accessory antenna mount
Processor System	Intel XScale 425 processor operating at 533MHz
Interfaces	Dual auto MDI/MDIX Ethernet ports, with full POE support
Power System	48vdc input 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	 Please note the 900MHz radio module is NOT CE marked.