



# 3000 Series

Making a Long range Point to Point Connections

- Outdoor radio
- Low price with high performance
- Ethernet bridging & routing
- Support advanced routing protocols (OSPF & BGP)
- OFDM and Dsss technology
- Support non-line-of-sight (NLOS)
- Support extrem range of frequency 4.9 - 6.1 Ghz
- Simple installation and maintenanc



# 3000 Series

Making a long range Point to Point Connections



## 3000Series Specifications

### 5.X GhzBroadband Wireless

RADIO performance		3524A26
Link Distance*		Up to 30 Miles
Radio Power*		802.11a 24dBm@6 Mbps, 19 dBm@54 Mbps
RX level		802.11a -92 dBm@6 Mbps, -73 dBm@54 Mbps
Data Rate*		802.11a = 108 Mbps, 54 Mbps, 36 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps
Antenna		26 dBi Flat panel
VSWR		1.5:1
Modulation		OFDM, DSSS
Media Access		CSMA/CA with ACK architecture 32-bit MAC
Frequency		5.120 - 5.850 (4.9 - 6.1 Ghz with extra licence)
DC Power		+18 Vdc , via Power-over-Ethernet, indoor DC injector (included)
networking		
Ethernet		10/100Base-T, Auto-negotiating, Full/Half duplex, up to 100m separation between radio and network closet
QoS		Line speed packet inspection of 802.1p, IP ToS, IP DiffServ tags 4 queue prioritization engine RF MAC prioritization
Frame Aggregation		Dynamic, User enable/disable
Protocol Support		Transparent MAC layer bridging, IP Static Routing, RIP v1/v2, BGP, OSPF v1/v2 Transparent VLAN (802.1q)
Management		HTTP Web Server, FTP, VLAN, SNMP v1/v2 with trap support and custom MIB, custom Event Log, Integrated Spectrum Analyzer, Audible Tone Alignment Function
Security		
Encryption		Hardware accelerated, line speed 128-bit AES & 64, 128, 152-bit WEP
Authentication		MAC address-based access control
Channel Plan		Non-standard
Firewall		Stateful firewall, tunnels, STP bridging with filtering
environmental		
Temperature		-40° to +60° C
Humidity		0-95% condensing
Water/Dust		Meets IP67 requirements
Standards		
Radio Compliance		FCC and CE approval

\*Note: System performance and link distance for 6 Mbits/sec RF link rate setting. Throughput and link distance may be lower under NLOS conditions. Radio Power and data rate settings are subject to changes according to the country of installation.