



Model **Thyonet Broadband Quad Wireless Radio - Achilles AG250**

Frequencies
2.4GHz Band:
 2400-2497MHz (*)
5GHz Band:
 5150-5850MHz (*)
 (*) programmable for different country regulations)

Standard Compliance IEEE 802.11a/b/g

Access Method TDD (CSMA/CA)

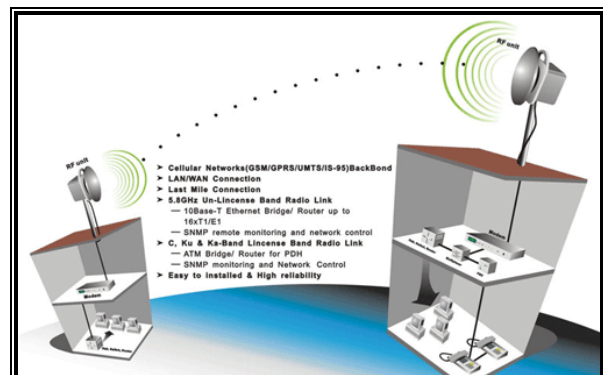
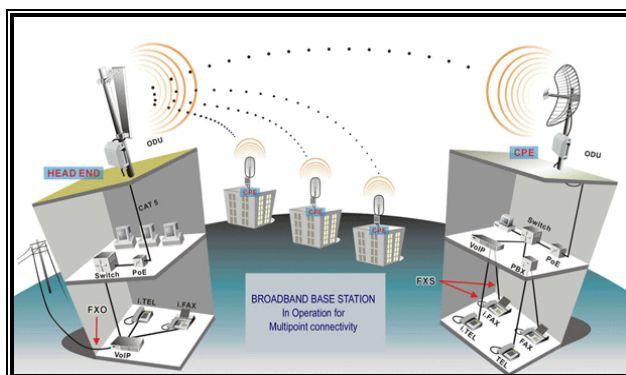
Channel Bandwidth 20 or 40 MHz (Selectable by Software)

Modulation technique DSSS/OFDM (BPSK,QPSK, 16-QAM, 64-QAM)

Output Power
2.4GHz Band:
 23dBm@6-24Mbps
 17dBm@54Mbps
5GHz Band:
 23dBm@6-24Mbps
 17dBm@54Mbps

Receive Sensitivity
2.4GHz Band:
 -95dBm@1Mbps
 -92dBm@6Mbps
 -73dBm@54Mbps
5GHz Band:
 -92dBm@6Mbps
 -73dBm@54Mbps

Certificates
 FCC Compliant
 CE
 RoHS





Provides the **Best of the**
Wireless Networks



**RF
Operational
Modes**

Access Point (bridge or router function)
WDS (bridge or router function)
Repeater (bridge or router function)
AP Client (bridge or router function)
Station (bridge or router function)

**Advanced
Wireless
Features**

Tx Power and Tx Rate
Antenna Selection
ACK Timeout
WMM - Wireless QoS
Mac Address Spoofing
Hide SSID and Stealth Mode
Best Channel Selection and Country Code Selection
DFS/TPC (Dynamic Frequency Selection / Transmit Power Control)
Compression, Bursting, Fast Frames
802.11h Full Support
Antenna Alignment (Site Survey / Link Quality / Signal Level)

**Network
Advanced
Features**

Transparent Bridging
Layer 2 (Mac Address) Forwarding
Layer 3 (IP Address) Forwarding
Static Routing
DHCP Server and Client
PPPoE Client/PPTP Client
Vlan (802.1Q) Support
Advance Statistics
Graphical User Interface
Monitor Utils (Ping and Trace Route)

Firewall - NAT

Input/Output Interface
Source IP/Subnet
Port(s)
Source Mac
Destination IP/Subnet
Protocol (ICMP, TCP, etc)
Connection State(New, Established, etc)

**Security
Features**

Access Control List
WEP 64/128
WPA1/WPA2 with TKIP & AES ciphers

**QoS -
Bandwidth
Management**

Committed Information Rate (CIR)
Peak Information Rate (PIR)
Committed Burst Size (CBS)
Excess Burst Size (EBS)
Based in :
- Input/Output Interface
- Source IP/Subnet
- Source Port(s)
- Source Mac
- Destination IP/Subnet
- Destination Port(s)
- Destination Mac
- Protocol (FTP, ICMP, TCP, etc)
- Application (Peer to Peer, EDonkey, Kazza, IRC, etc)

**Hot Spot
Features**

WAN, LAN, DHCP, Firewall - NAT
QoS - Bandwidth Management
Wireless Radius Client
UAM Authentication, Mac Address Authentication
Walled Garden
Advertisement Sites
Log in Page Customization
Users Info, Radius Statistics

**Administration
Tools**

SNMP Agent
NTP Agent
HTTP Server
SSH

