



Provides the **Best of the Wireless Networks**



Model Thyonet Broadband Wireless Radio - Eros AD4000

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)

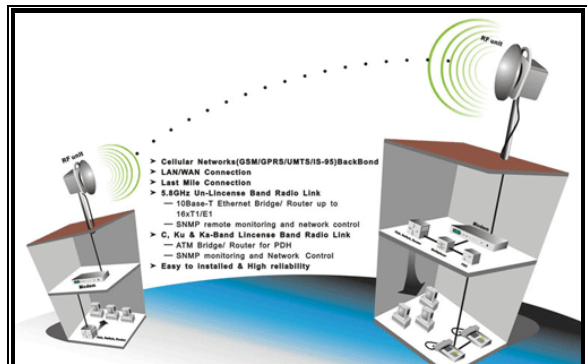
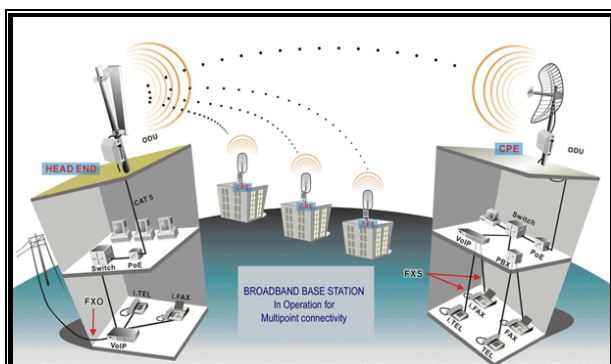
Channel Bandwidth 20 or 40 MHz (Selectable by Software)

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

Output Power
2.4GHz Band:
 16dBm@6-24Mbps
 10dBm@54Mbps
5GHz Band:
 16dBm@6-24Mbps
 10dBm@54Mbps

Receive Sensitivity
2.4GHz Band:
 -90dBm@1Mbps
 -88dBm@6Mbps
 -70dBm@54Mbps
5GHz Band:
 -90dBm@6Mbps
 -70dBm@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