



**Model** **Thyonet Broadband Wireless Radio - Eros G250**

**Frequencies** **2.4GHz Band:**  
2400-2497MHz (\*)

**Standard Compliance** IEEE 802.11b/g

**Access Method** TDD (CSMA/CA)

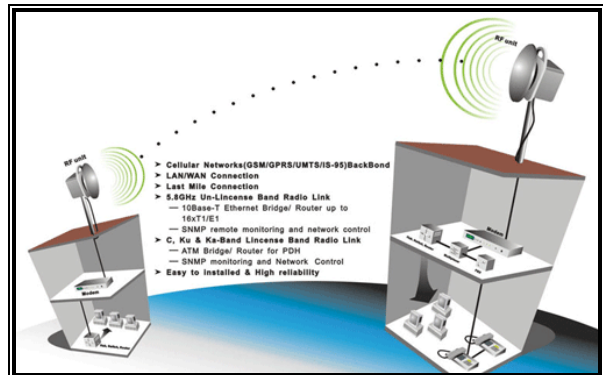
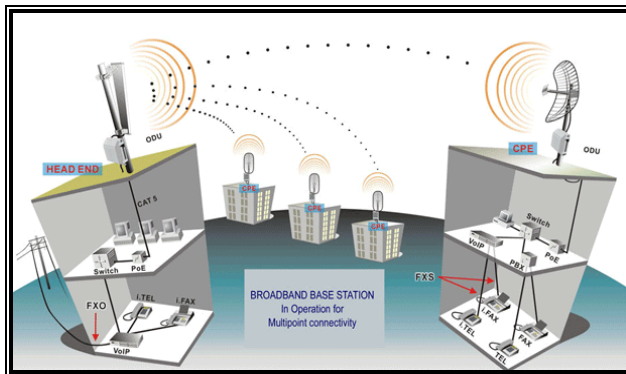
**Channel Bandwidth** 20 or 40 MHz (Selectable by Software)

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

**Output Power** **2.4GHz Band:**  
20dBm@6-24Mbps  
16dBm@54Mbps

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

**Certificates** FCC Compliant  
CE  
RoHS





**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

