

**5.8GHz – Libra5800 Wireless Ethernet Bridge –  
RD (Rapid Deployment) / ER (Extended Range)**



LIBRA 5800 is part of the world’s only 3rd Generation W-OFDM product line. With proven, powerful, flexible technology, LIBRA 5800 is a true Wireless MAN product that sets the standard for NLOS deployments. Wireless MAN product that sets the standard for NLOS deployments and delivers unparalleled capabilities that any business can use.

Specifications:

**Libra 5800 Point to Point  
RD (Rapid Deployment) and ER (Extended Range)**

| <b>Radio Specifications</b> | <b>Libra5800 Point to Point RD and ER</b>            |
|-----------------------------|--|
| Output Power                | +17 dBm to –3 dBm, All Channels                      |
| Frequency Range             | 5.725 to 5.850 GHz                                   |
| Rx Sensitivity at 1E-06 BER | -84 dBm (BPSK)<br>-81 dBm (QPSK)<br>-75 dBm (16 QAM) |
| Channel Size/Separation     | 10 MHz / 12.5 MHz                                    |
| Data Rate Raw/Effective     | 32/24 Mbps   |
| Integrated Antenna          | 23 dBi (RD only)                                     |
| RF Connector                | N Type (Female, ER only)                             |
| Duplexing Format            | TDD  |
| Certification               | FCC/IC/SRRC  |
| Range                       | up to 66 km (41 miles)                               |
| <b>Network Support</b>      |  |
| Network connection          | 10/100BaseT  |
| VLAN (802.1q) Compliance    | Yes  |
| CIR/MBR                     | Yes  |
| <b>Wireless Networking</b>  |  |
| Network Topologies          | Point to Point                                       |
| RF Collision Management     | Dynamic Polling with<br>Dynamic Time Allocation      |
| <b>Security</b>             |  |
| Data Scrambling             | Proprietary Phase Randomization                      |
| Configuration Security      | Password Protected                                   |
| <b>Management</b>           |  |
| Remote Management           | SNMP, TELNET   |
| Management Port             | RS-232 Serial Port                                   |
| <b>Physical</b>             |  |
| Power Consumption           | Max 30 W   |
| Dimension                   | 30 x 9 x 30cm (RD)<br>23 x 6.5 x 23cm (ER)           |

|                       |                            |
|-----------------------|----------------------------|
| Weight                | 2.5 kg (RD)<br>2.0 kg (ER) |
| Operation Temperature | -45°C to +50°C             |
| Enclosure             | Fuly Weather Proof         |