

# BL3006F

**BL3006F** is outdoor Wireless LAN systems that offer excellent broadband communication in the temperature range of 0~60°C. This system is used for point-to-point radio frequency (RF) solution that connects multiple local area networks (LAN) among the different buildings. It supports up to 11Mbps data rate by incorporating DSSS(Direct Sequence Spread Spectrum) technology.

## Specifications of ODU

### Device Interface

Ethernet Interface : IEEE 802.3 10/100 Base T ( RJ-45 )

### Wireless Network Connection

Standard: IEEE 802.11b

Frequency Range: 2400-2484 MHz

Data Rate : Supports up to 11 Mbps automatically

Throughput: 5Mbps Typical

Emission Type: Direct Sequence Spread Spectrum

Channel : 11 channels

Modulation : BPSK / QPSK / CCK

Output power :26dBm

### Protocols

Security: WEP Encryption 64-bit and 128-bit

Network: SNMP, TCP/IP, IPX/SPX, NetBEUI

### Operating System Support

Supports Windows 98/Me/2000/NT/XP

### Network Architecture

PTP Connection ( point to point )

### Power Requirements

Input: AC 100-264V, 50-60Hz

### Physical Description

ODU (350 w x 95 d x 350 h ) mm; 4.3 kg

### Operating Environment

Operating Temperature : ODU (0 ~ 60°C )

Storage Temperature : -20 ~ 80°C

Humidity Range: 85 % , non-condensing

## Specifications of Integrated Antenna

### Gain

18dBi

### Beamwidth

H17 E11

### VSWR

=1.4

### Front to Back Ratio

>30

### Impedance

50Ω

- Creates a Point-to-Point connection linking two LANs, using 2 Indoor Units or Indoor and Outdoor total solutions.
- Integrated antenna allows you for easy installing the Outdoor bridge.
- With a data rate of 11Mbps and 5.5Mbps, the system is faster than an E1/T1 data link.
- Features 11Mbps data rate by incorporating Direct Sequence Spread Spectrum technology.
- Fully IEEE 802.11b compatible. Allow inter-operation among multiple vendors.
- Technique operating in the unlicensed 2.4 GHz ISM band.
- Seamless roaming within the 802.11 & 802.11b wireless LAN infrastructure.
- Provides user authentication to enforce tight security.
- MAC address Access Control.
- Bandwidth control
- Advanced Security — 802.1x authentication (EAP)
- Provides Window-based configuration utility.
- Waterproof housing