

# Operational Description

The TWL-U11 is designed to meet the mobility, performance, security, interoperability, management, reliability requirements of IEEE 802.11b high data rate standard. When installed, TWL-U11 can communicate with other IEEE 802.11b compatible products to create a wireless network in your office or home. TWL-U11 is powered 5VDC which is fed by desktop or notebook PC. Two antennas inside used to tranceive RF signal. This equipment should be installed and operated with the minimum 15 cm between your body and the Antenna. The other instruction, please have a look at the users manual.

## 4. SPECIFICATIONS

General	
Standards compliance	Compliant IEEE 802.11b Standard
Security	WEP 64-bit, 128-bit, encryption MD5
Hardware	
RF Range	Frequency range: 2.4 ~ 2.4835GHz
Data rate	11Mbps / 5.5Mbps / 2Mbps / 1Mbps
Modulation	DSSS (Direct Sequence Spread Spectrum) DBPSK/DQPSK
Coding	1, 2Mbps: 11 chip/bit Barker Coding 5.5, 11Mbps: Complementary Code Keying
Number of channels	Europe: 13 (3 non-overlapping) US: 11 (3 non-overlapping) France: 4 (1 non-overlapping) Japan: 14 (3 non-overlapping)
Host Interface	USB 1.1 Compliant
Transmit power	+15dBm (Typ.)
Receive sensitivity	-83dBm (Typ.) for 11Mbps; -88dBm (Typ.) for 5.5/2/1Mbps; (@BER 10E-5)
Software	
Driver Support	MS Windows 98SE/ME/2000/XP
Utility	User setup and diagnostics tool
Mechanical	
Dimensions	120 x 77 x 25 mm
Weight	80 grams
Environmental	
Temperature	0 ~ 55°C (operation), -20 ~ +65°C (storage)
Relative Humidity	95% (non-condensing)
Certificate	
EMC	U.S., Canada: FCC Part 15, sections 15.247, 15.205, 15.209; RSS-210
	Europe: ETS 300 328, ETS 300 826, CE Marked
	Japan: ARIB STD T-66, D-33