



**PR2571W**  
MAC/BBP

**PR2528**  
2.4 GHz  
Transceiver

## PROFESSOR

普傑國際股份有限公司

# PR2501USB

## USB1.1/2.0 Wireless Chipset

### 802.11 b/g Solution

### PR2571W MAC/BBP Integrated Chip

- Host interface: USB1.1 / USB 2.0
- Supports WMM
- Industry Leading Throughput - Packet-OVERDRIVE™ Technology
- Robust Coverage in Real-World Operating Environment
- Comprehensive Operating Systems Support: Windows XP/2000/ME/98SE/CE, Linux, MAC OSX
- Complete Security Features - WEP 64/128, WPA, WPA2, 802.1x, and 802.11i
- Low External Component Count and System Cost
- Advanced Power Saving Algorithm for Dynamic Network Traffic Environment
- Cisco CCS V1.0, 2.0 and V3.0 Compliant
- Advanced Quality of Service (QoS) - 802.11e, WMM
- International Regulatory Compliance - 802.11d
- Linux AP Driver Available
- Bluetooth Co-existence
- WiFi and WHQL Certification

### PR2528 2.4 GHz Transceiver Chip

- Low System Noise Figure
- Low Power Consumption
- Patented Superheterodyne Architecture for Outstanding System Performance
- Integrated Reconstruction Filters
- Pre-Drivers of Power Amplifiers
- Power Management/Standby Mode
- Integrated VCO
- High IIP3 and best sensitivity

### About the PR2501USB

PR2501USB is PROFESSOR super 802.11b/g chipset and consists of two highly integrated ICs (PR2528 and PR2571W) that fully comply with IEEE 802.11b/g standards. The chipset achieves high throughput from a long distance, and is loaded with all the feature improvements from PROFESSOR 2nd generation 802.11b/g technology. Intelligent MAC design deploys highly efficient DMA engine and AES/WEP security engine without overloading the host processor.

The PR2501USB is designed to support standard based features in the areas of security, quality of service and international regulation, giving end users greatest performance anytime in any circumstance.

### PR2501USB Architecture

