PARROT 212A Subscriber Unit

Quick Installation & User Guide

Product appearance

Accessories included:

- Switching power adapter (Input: 100~240 VAC, 50/60Hz & Output: 5VDC)
- Ethernet cable (RI-45 connector)
- Dual port USB power cable

Product Description

The PARROT 212A Opportunity Driven Multiple Access (ODMA) Subscriber Unit (OSU) is designed for use in ODMA-enabled wireless networks. Empowered with **IWICS**' multi-hopping & multi-routing ODMA subscriber relay technology, the PARROT 212A OSU dramatically enhances wireless communication coverage range, throughput, and system reliability. The PARROT 212A supports up to 24Mbps burst rate for data and video streaming. The seamless mobile hand-off capability of the PARROT 212A ensures continuous application integrity while users are moving at automobile speed within an ODMA service area. The PARROT 212A units connected to computers, IP video cameras, sensors, signs, signals, etc. enable users to send/receive data and video signals and to form their own peer-to peer network. In closed system applications, OSUs can instantly form a peer-to-peer, broadband network independent of any additional network infrastructure.

Without any on-site installation service required, subscribers are quickly able to surf the internet at megabits per second speed (where available from the backhaul provider) by simply plugging a smart card into the PARROT 212A and connecting the device to an available LAN port.

Features

- Smart Card plug and play
- Free from on-site installation service
- Driver-free LAN port plug and surf
- Slim and compact
- Very low average transmit power
- DHCP server built-in
- Compatible with other IP technologies
- Highly tolerant to ISM band noise
- Up to 3Mbps bandwidth
- Enhanced data security
- Over-the-air software upgradable

Setup procedure in linking with PC/Notebook PC:

1. Insert smart card in card slot of PARROT 212A. (The smart card should be purchased from IWICS separately)
2. Connect one end of Ethernet cable to the LAN port of PARROT 212A and the other end to the RJ-45 port on your PC/Notebook PC.
3. Connect the power jack of switching power adapter to the power port on PARROT 212A.
4. Plug the switching power adapter into the 110V/220V wall outlet.
5. Make sure the LAN configuration on your PC/Notebook PC set the “IP Address assignment” item as “Dynamic”.
6. Turn on the power of PARROT 212A.
7. The LED named “Power” should always light on if the power adapter is plugged correctly.
8. The LED named “SIM” will blink once after the power on and then goes off until the PARROT 212A completes the boot up process. If the smart card is valid, you can see the LED will flash for around 1 to 2 seconds and goes off again.
9. The LED named “LAN” will light on if the Ethernet cable is connected correctly between PARROT 212A and PC/Notebook PC. The LED will blink to signal the activity of LAN.
10. You can check on the LAN connection status on your PC/Notebook PC. The connection should be “ON” and you are allowed to access the ODMA-enabled wireless networks.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that

to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

European Union Notice:

Radio products with the CE marking comply with the R&TTE Directive (1999/5/EC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

◆ EN 60950 Product Safety

◆ EN 300 328 Technical requirement for radio equipment

◆ EN 301 489-1/-17 General EMC requirements for radio equipment