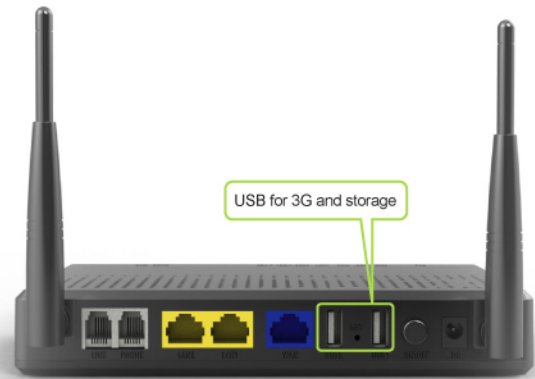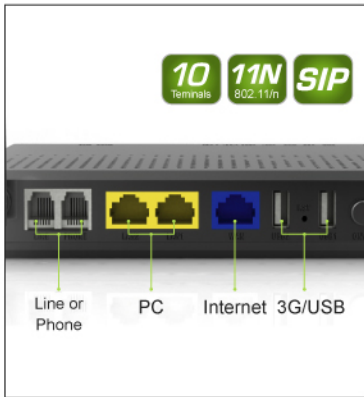# WROC2002
WROC2011

USB for 3G and storage

Wireless Office Communication System

Integrated WiFi/3G router and full-featured phone system for small business

- Surf the Internet
- 3-way voice conference
- Mobile extension with WiFi smartphone
- Voice and video communication
- In-house WLAN
- USB for sharing files

10 Terminals **11N** 802.11/n **SIP**

Line or Phone   PC   Internet   3G/USB

Highlights

- One system with all the communication functions that helps to grow your business and save budget
- Creates an office network with high speed wire and wireless data connection as well as legacy telephone lines
- Supports business phone system features, such as voicemail, transfer, conference, hold, hunt groups, and automated attendant
- Compatible with SIP based new generation voice terminals, including smartphone, pad and softphone
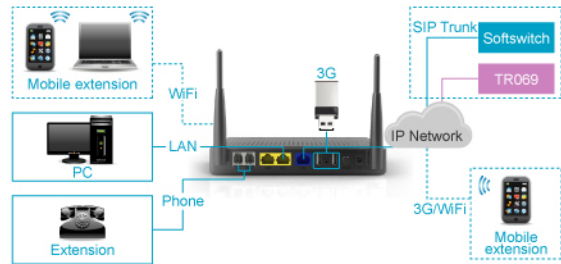- Significantly reduce the cost and maintenance effort on office wiring

Product models

- WROC2002：provides two phone ports
- WROC2011：provides one phone port and one line port

Advantages

- Point 01 Dual USB 2.0 for storage and 3G, supporting WCDMA and CDMA2000
- Point 02 801.11b/g/n with double antenna
- Point 03 QoS scheme providing high priority to voice stream
- Point 04 Built-in SIP proxy and supports eight SIP clients
- Point 05 SIP trunk connection to IMS and NGN
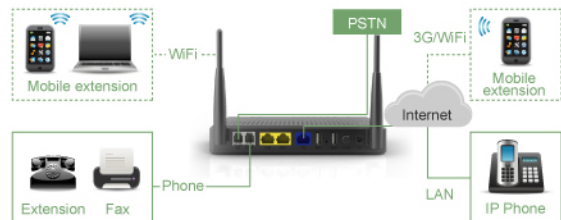- Point 06 2 telco analog ports to phone/fax machine or PSTN

Applications 1
Carrier

- Provide Internet and voice service via 3G or Ethernet
- Support mobile extension
- The integration of WiFi/3G router and telephone system helps to reduce deployment and maintenance cost
- Support IMS/NGN compatible SIP as well as TR069 for centralized management
- Provide new service through firmware upgrade

Applications 2
SOHO

- Provide wireless data and voice communication
- Smartphone with extension number to enhance the contacts with customers
- VLAN and QoS to ensure the quality of voice communication
- Rich sets of telephone features, including voice conference, recording and voicemail

Applications 3
Family

- Build family digital network via WLAN
- Free phone communication via Internet
- Designated phone for each family member
- Designed to be highly intuitive and easy to use

WROC2002   WROC2011

Basics

Data rate	300Mbps
WiFi Standards	IEEE 802.11b/g/n, 802.3, 802.3u
3G Standards	WCDMA, CDMA2000
WiFi Bund Rate	2.4 ~ 2.4835GHz

WiFi

Channel	1-13
Spread Spectrum	DSSS, OFDM
Modulation	BPSK, QPSK, CCK, 16-QAM, 64-QAM
Rx Sensitivity	OFDM 54M -73/-73dBm, CCK 11M -87/-87dBm, HT40 MCS7 -66/-66dBm
Tx Power	OFDM 54M 14.5/14.5dBm, CCK 11M 17/17dBm
Antenna	Dual external antenna, 3dBi
Range	Indoor 100M; outdoor 300M (open space)

Network Features

WAN Connection	Static IP, DHCP, PPPoE, PPTP, L2TP, 3G
Networking Protocal	IEEE 802.11b/g/n, 802.11s/e/r/i, 802.3, 802.3u, 802.1d/p/q/x, CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, HTTP, SNTP, LLTD, UPnP, Telnet, SNTP client, FTP
Advanced WiFi Feature	Change/disable SSID broadcast, WDS, VPN 802.1x, wireless roaming
Wireless Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS (PIN and push button), client filtering
Management	Traffic statistics, remote web configuration, syslog, configuration file import and export, firmware upgrade through Web
NAT	Port mapping, DMZ
Qos	WMM & WMM power save, bandwidth control, 802.1P, DSCP
Firewall	IP/MAC binding for anti ARP spoofing, IP/MAC filtering, website filtering

Power Supply

Power Adaptor	DC 9V ~ 12V, 1A
Power Consumption	7W

Authentication

FCC	Support
CE	Support

IPPBX

Auto Attendant	IVR with time schedule, queuing, operator handling, soft console for call monitoring and click to transfer
Incoming Call	DID, caller ID, call rejection, do not disturb, CRBT, call waiting, forking (direct a call to dual terminals), call forwarding, distinctive ring patterns
Call Pickup	Call pickup
Making Call	Intercom, whilte list, select trunk with dial prefix, speed dial, hot line (immediate and delay)
Dial-in System Access	Authentication with PIN
Access	Authentication with caller's phone number
Extension Feature	Blind transfer, consultation transfer, call hold, park, recording *, call transfer to PSTN, 3-way conference, recording on fly *
SIP Proxy	Supports up to 8 SIP clients
SIP Trunk	IMS/NGN
Multi-site	Inter-site calling via IP network, outbound trunk sharing
Soft Pad	Click-to-call, contact list, presence, call history, listen to recording and voice message *
Media Stream	G.711/G.729A * codec, echo cancellation, busy tone detection Fax: G.711 pass-through, T.38 relay *
Video Protocol	Pass-through

Interface Type

LAN	2 10/100M LAN, Auto MDI/MDIX
WAN	1 10/100M WAN, Auto MDI/MDIX
Voice	WROC2002: 2 phone ports WROC2011: 1 phone port and 1 CO line port
USB	2 USB2.0 hosts for 3G dongles, storage, printer and etc
Control Button	Reset, power on/off, WLAN, WPS

Environment Requirement

Working Temperature	0℃ ~ 40℃
Storage Temperature	-40℃ ~ 70℃
Working Humidity	10% ~ 90%RH (non conducing)
Storage Humidity	5% ~ 90%RH (non conducing)

Physical Specification

LEDs	STU, PWR, USB, WAN, LAN, PHONE/LINE, WLAN, WPS
Dimension	182 x 136 x 30 mm
Weight	Net Weight: 300g Gross Weight: 600g

* The feature will be supported in future release.