



Wireless **SIP** **H.323**
VoIP **Auto Provision**
NAT Router
Firewall
CDR/IVR

OneInGate 220/2200

2/4 ports VoIP Gateway with 1 WAN, 4 LAN(Wireless) Broadband Router

The **OneInGate 220** series is a Wireless* Broadband VoIP Station Router. The G220 series is designed for VoIP service providers and resellers to bundle their existing VoIP services and create a consistent, reliable, and flexible VoIP Networking Solution.

The G222/G2200g/n (draft) is a router build-in 802.11g/n(draft) wireless module that facilitate users to easily network all of their computers and other networking devices together and share internet access.

The **OneInGate 220** has voice support that includes Quality of Service (QoS), voice compression, echo cancellation, dynamic latency (jitter) buffers, silence suppression, and comfort noise generation.

The **OneInGate 220** is compatible with xDSL and Cable-Modem Broadband service providers with built-in support for DHCP Client, MAC Address Cloning, PPPoE, and multiple auto-provisioning methods. For Internet connection sharing in your home the OneInGate 220 offers support for up to 253 IP devices. Services offered to the internal home network are DHCP Server, Network Address Translation (NAT). Because the OneInGate 220 shares your single ISP IP address, it masks the local users' IP addresses from the outside world, preventing intruders and hackers from gaining access to network resources, data files or personal information.

Voice Signaling

- Support SIP & H.323 simultaneous calls
- Support SIP v2 Standard (RFC3261)
 - Outbound Proxy
 - STUN Server
- Register up to 4 Server simultaneously
- Support multiple dialing plan / Call hunting group
- Adaptive Jitter Buffer function
- IP screening table for authorized VoIP call in
- Flexible Routing table and profile

Voice Processing

- Audio CODEC:
 - G.711 A-law / u-law, (64kbps)
 - G.723.1, (5.3 or 6.3kbps)
 - G.726, (ADPCM 40, 32, 24, 16 kbps)
 - G.729a, (8kbps)
- Support T.38 FAX Relay (9.6k, 14.4k)
- Silence suppression and comfort noise
- DTMF In/Out band Relay (RFC2833)
- DTMF/ Call progress detection and generation
- DTMF,FSK Caller ID detection and generation
- Support VAD, H.245, CNG, G.168, Jitter buffer and programmable gain control
- Customization prompt IVR file

MAIN FEATURE:

Internet Telephone

- 2 FXS Ports(G220)
- 2 FXS + 2 FXO Ports(G222)
- 2 FXS + 2 PSTN Ports(G2200)
- Support SIP and H.323 Simultaneous VoIP calls
- Register up to 4 SIP/H.323 Server Simultaneously

Call Features

- Call Hold, Wait, Forward, Transfer
- Multipledialing plan, Call hunting group
- Greeting Message, Caller ID Delivery
- CDR Export

WAN/LAN Connection

- 1x 10/100Mbps Ethernet WAN Port
- 4x 10/100Mbps Ethernet LAN Port
- WAN Support Static IP, DHCP Client and PPPoE.

Wireless Optional

- IEEE 802.11g/n(draft)(54/108 Mbps)
- WEP (64/128-bits)
- WPA & WPA2

Configuration/Upgrade

- Easy Configuration by IVR or Web-Base GUI
- Web-Base Firmware Upgrade

Build-in Router/Firewall/VPN

- DHCP Server and IP Sharing
- Build-in NAT Firewall and VPN Client.

G2200 serials support:

Easy install

- Dual FXS/PSTN interface to connect between PBX and PSTN, it won't occupy any lines.

Smart Dial Plan

- Auto select VoIP/PSTN by prefix number
- Automatic reroute the call via PSTN when VoIP failure without second dial.

Failsafe (FXS relay to PSTN)

- Network failure
- Service unavailable
- Power loss

Router Functions

- Support static and dynamic IP from DHCP, PPPoE
- Build-in DHCP Server
- Dynamic DNS Support
- Support Network access rules (LAN to WAN & WAN to LAN)
- Self-Protection against DoS Attacks
- Support High-throughput 85 Mbps + NAT function
- Supported Protocol: UDP, TCP, NAT, BOOTP, HTTP, IEEE 802.3/ IEEE 802.3u
- Support SNMP, SNTP, DNS, DDNS, uPnP
- Powerful NAT function: Virtual Server, Port mapping, ALG, DMZ, Static routing table
- Firewall option: Client filtering, URL filtering, MAC control, Drop Port scans
- VPN Pass-through (PPTP & L2TP Pass Through)
- Support IP TOS (Type of Service) for VoIP

Wireless optional

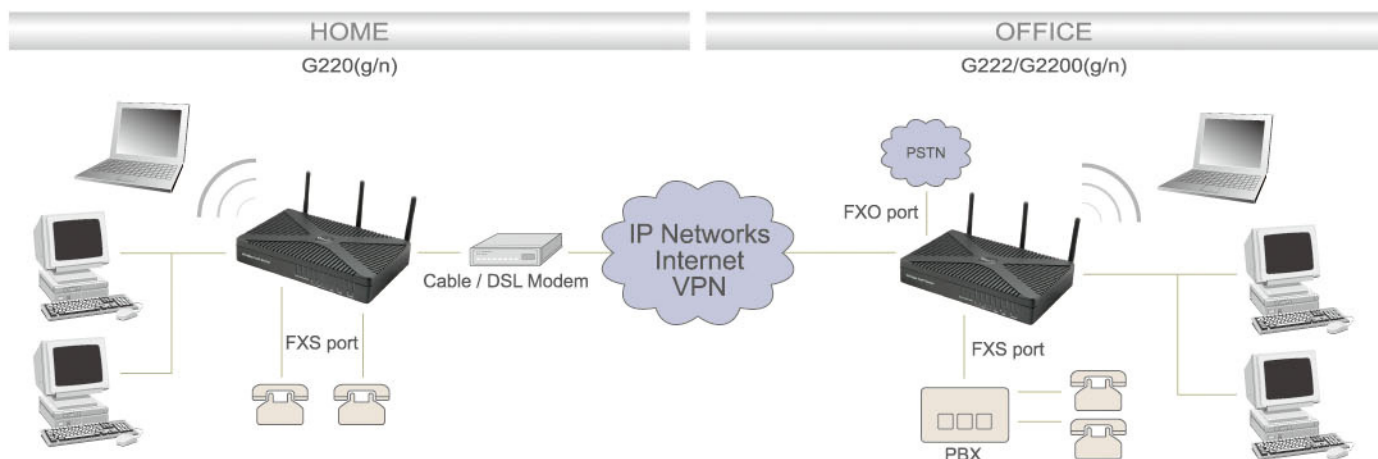
- IEEE 802.11g/n(draft)(54/108 Mbps)
- WEP (64/128-bits)
- WPA & WPA2

Management

- Web Interface Management
- Support APS (Auto Provision Server)
- Remotely configuration/Upgrade by Web UI or APS.
- Support Call Detailed Records (CDR) export
- 1 Reset button for load factory default.
- WAN IP configure can be programmed by IVR via phone set
- Build-in watching dog for auto recovery

Hardware Specification

- 1 RJ-45 WAN Ethernet 10/100M port
- 4 RJ-45 LAN Ethernet 10/100M ports
- 2 FXS ports (G220)
- 2 FXS + 2 FXO ports (G222)
- 2 FXS + 2 PSTN ports (G2200)
- Wireless 802.11g/n(draft) optional*
- SMA(male) Antenna can detach for other high antenna choice.
- LEDs: Ready, Status, Wireless, Phone, Line, LAN, WAN
- Power: AC100V-240V, DC12V/1.6A
- Temperature: 0°C to 45°C(operation), -10°C to 55°C(storage)
- Humidity: 5% to 95% Non-Condensing
- Dimension: 220x140x40mm



Ordering Information:

Product	Description
G220	2FXS ports, 1WAN+4LAN VoIP Router
G222	2FXS+2FXO ports, 1WAN+4LAN VoIP Router
G2200	2FXS+2PSTN ports, 1WAN+4LAN VoIP Router
G220g	2FXS ports, Wireless (802.11g), 1WAN+4LAN VoIP Router
G222g	2FXS+2FXO ports, Wireless (802.11g), 1WAN+4LAN VoIP Router
G2200g	2FXS+2PSTN ports, Wireless (802.11g), 1WAN+4LAN VoIP Router
G220n	2FXS ports, Wireless (802.11n), 1WAN+4LAN VoIP Router
G222n	2FXS+2FXO ports, Wireless (802.11n), 1WAN+4LAN VoIP Router
G2200n	2FXS+2PSTN ports, Wireless (802.11n), 1WAN+4LAN VoIP Router



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