

Specifications

Hardware & Port Configuration		CDG561AM
Wireless WAN	Built-in HSUPA module	●
Ethernet WAN	RJ-45 port, 10/100Mbps, auto-MDI/MDIX	1
Ethernet LAN	RJ-45 port, 10/100Mbps, auto-MDI/MDIX	4
SIM/USIM Card Slot	For SIM/USIM card	1
SMA Connector	For external SMA 3G antenna	1
WPS Button	For WPS connection	1
Reset Button	Reset router setting to factory default	1
LED Indication	Status (WPS) / WAN / LAN1 ~ LAN4/ WiFi / 2G/2.5G / 3G/3.5G / SMS / Signal Strength	●
Wireless LAN (WiFi)		
Standard	IEEE 802.11n Draft 2.0 compliance	●
SSID	SSID broadcast or in stealth mode	●
Channel	Auto-selection, manually	●
Security	WEP, WPA, WPA-PSK, WPA2, WPA2-PSK	●
WPS	WPS (Wi-Fi Protected Setup)	●
WDS	WDS (Wireless Distribution System)	●
WMM	WMM (Wi-Fi Multimedia)	●
Functionality		
Wireless WAN	PPP (for WCDMA/HSPA)	●
Ethernet WAN	PPPoE, DHCP client, Static IP, PPTP, L2TP	●
WAN Connection	Auto-reconnect, dial-on-demand, manually	●
SMS Function	Short Message Service	●
One-to-Many NAT	Virtual server, special application, DMZ	●
SPI Firewall	IP/Service filter, URL blocking, MAC control	●
DoS Protection	DoS (Deny of Service) detection and protection	●
Routing Protocol	Static route, dynamic route (RIP v1/v2)	●
Management	SNMP, UPnP IGD, syslog	●
Administration	Web-based UI, remote login, backup/restore setting	●
Environment & Certification		
Package Content	CDG561AM, DC 12V/1A power adapter, 3G antenna, Quick Installation Guide, CD Manual, Ethernet cable	●
Package Information	Device dimension (mm)	194*113*35
	Package dimension (mm)	258*208*74
	Package weight (g)	TBD
Operation Temp.	Temp.: 0~40oC, Humidity 10%~90% non-condensing	●
Storage Temp.	Temp.: -10~70oC, Humidity: 0~95% non-condensing	●
CE, FCC	CE/FCC compliance	●
RoHS	RoHS compliance	●

*Specifications are subject to change without prior notice.



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LOHASmart CDM V1.0

ZALiP
Converging All IP Access



CarrierGo
WiFi HSPA Gateway
CDG561AM



CDG561AM is a 802.11n WiFi HSPA router. With its built-in HSUPA embedded module, you can connect to Internet anywhere without hard-wired effort. Besides mobile broadband access, CDG561AM also provides a physical WAN port for fixed-line broadband, and supporting variety of WAN connection types, such as PPPoE, static IP, dynamic IP (DHCP client), PPTP, and L2TP. In order to protect local computers, CDG561AM supports robust SPI firewall and flexible filter rules for your requirements. You can easily change settings by web-based UI, and backup or restore configuration if required. Speaking of SMS (Short Message Service) feature in every cell phone, you can also send and read SMS with CDG561AM.



Main Feature

Mobile Broadband Gateway with Combo WAN Connection

- Support both mobile broadband and fixed-line broadband
- Built-in HSUPA module for high speed 3.75G network access
- Support various WAN connection types for fixed-line broadband, such as Dynamic IP(DHCP client), Static IP, PPPoE, PPTP, and L2TP
- Auto-failover between mobile broadband and fixed-line broadband connection
- Built-in NAT function for many PCs or devices to share Internet access

Draft 802.11n Compliance with MIMO Technology

- Max. physical data rate up to 300Mbps
- Backward compatible to IEEE 802.11b/g standards
- Support WEP, WPA, WPA2, WPA-PSK, WPA2-PSK encryption
- Establish secured Wireless Connection via WPS function

SPI Firewall and Advanced Networking Function

- Support NAT firewall, protecting from DoS(Deny of Service) attacks
- Support Internet access control, like URL blocking, MAC filtering
- Support multiple sessions IPSec, L2TP and PPTP VPN pass-through
- Support virtual server, ALG, DMZ and UPnP for various networking applications
- Support QoS mechanism for efficiently prioritizing the various type of traffics

SMS (Short Message Service) Support

- New incoming SMS notification
- SMS compose, send, read, forward, reply, and delete
- SMS relay to designate e-mail address
- Auto-alert when SMS storage is full

Easy Installation & Management

- Web-based UI management and EzSetup installation wizard
- Backup/restore device settings, or resetting setting to default
- Firmware upgrade via web-based UI and Windows utility

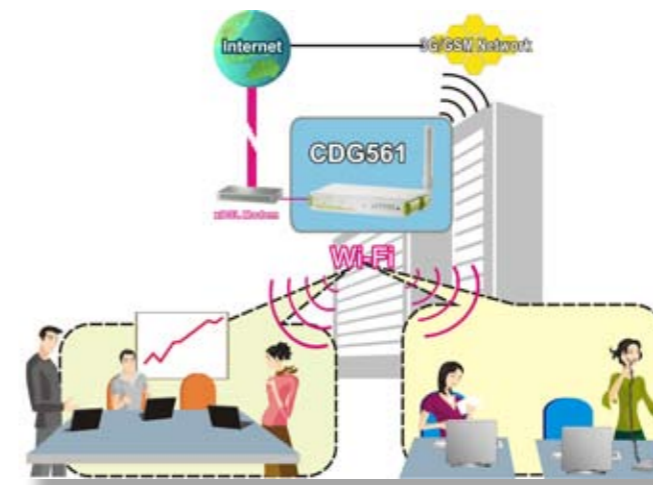


User Scenario & Benefits



Ubiquitous Internet Access

- Surf Internet without hard-wired infrastructure
- Local computers connect to Internet wirelessly
- Sharing Internet connection with friends or families easily



Back-Haul Connection in Enterprise

- Support redundant WAN connections for fixed-line broadband and mobile broadband
- WAN fail-over automatically between fixed-line broadband and mobile broadband
- Ensure Internet connection is available all the time

SMS (Short Message Service)

- Create a message, and send to one or many cell phone users
- Read new messages from your friends or families
- Re-direct incoming messages to a designated e-mail address



Application Diagram

Data Access via 3G/3.75G Network



Data Access via xDSL



Auto WAN Fail-over



Internet Access on the Move

- Provide Internet access service on the move for passengers
- Continually connecting to control center, so bus can get instant message
- Co-wok with other GPS device, location data can be sent back to control center instantly

