



## Alcatel 7102 RGW Residential Gateway | Release 1.0



The Alcatel 7102 Residential Gateway (RGW) is the most feature-rich, interoperable and cost-effective broadband customer premises equipment (CPE) gateway or integrated access device (IAD) available on the market today. It offers a cost-effective way for service providers to deliver revenue-generating next generation network (NGN) services to end users and to small office/home office (SOHO) and enterprise customers.

Featuring an easy-to-configure user interface, the Alcatel 7102 RGW enables a variety of value-added services to be delivered over a single broadband connection, including high quality voice/fax over IP and high-speed Internet access services. The Alcatel 7102 RGW provides two

or four analog ports for connectivity to regular telephones and fax machines. It also offers a 10/100 Mb/s Ethernet interface for downlink connectivity to the PC. The Alcatel 7102 RGW supports a broadband uplink with 10/100 Mb/s Ethernet interface for connectivity to DSL/cable modems and other broadband terminals.

The Alcatel 7102 RGW also offers full interoperability with a range of NGN/VoIP products, including GR303/V5.2 inverse gateways, softswitches, SIP proxy servers and H.323 gatekeepers. The Alcatel 7102 RGW is ideal for deployment in any type of broadband network, such as xDSL, PacketCable, FTTH, Ethernet, wireless local loop and satellite.

The Alcatel 7102 RGW enables SMEs and residential users to take advantage of next generation network services delivered over a single high-speed broadband connection.



## Technical Summary

### Interfaces

#### Network interfaces

- > 1 10/100 Ethernet port (RJ-45)
- > 1 PSTN line backup (lifeline) (RJ-11)

#### User interfaces

- > 2 or 4 analog ports (RJ-11)
- > 1 10/100 Ethernet interface

### Physical Description

- > Height: 16 cm (6.3 in.)
- > Width: 15 cm (5.9 in.)
- > Depth: 3 cm (1.2 in.)
- > Weight: 1.0 kg (2.2 lb.)

### Signaling and Control

- > SIP
- > MGCP v1.0 (RFC 2705)
- > H.323 v2

### VoIP/FoIP Services

#### Voice CODECs

- > G.711 (64 kb/s,  $\mu$ -law and A-law)
- > G.723.1 (6.3 kb/s)
- > G.729A (8 kb/s)
- > Automatic voice/fax/data CODEC switchover

#### Voice processing

- > Echo cancellation G.168 compliant
- > Adaptive jitter buffer
- > Configurable voice frame size
- > Silence suppression
- > Comfort noise generation
- > In-band DTMF processing

#### Fax support

- > G.711 fax pass through

### Protocol Support

- > TCP/IP
- > RTP/RTCP
- > DHCP client or static IP address assignment
- > TFTP
- > ARP/RARP

### Quality of Service

- > IP ToS

### Management

- > Web configuration
- > RS232 CLI
- > TFTP for update
- > Telnet CLI

### Power

- > 10 W power consumption
- > 100 to approximately 250 V AC, 50 Hz to 60 Hz

### Operating Environment

#### Temperature

- > 5 C to 40 C (41 F to 104 F) operating
- > 20 C to 70 C (68 to 158 F) storage

#### Humidity

- > 5% to 95% at 40 C (104 F) operating
- > 0% to 95% at 40 C (104 F) storage

For more information on the Alcatel 7102 RGW, visit [www.alcatel.com](http://www.alcatel.com)

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