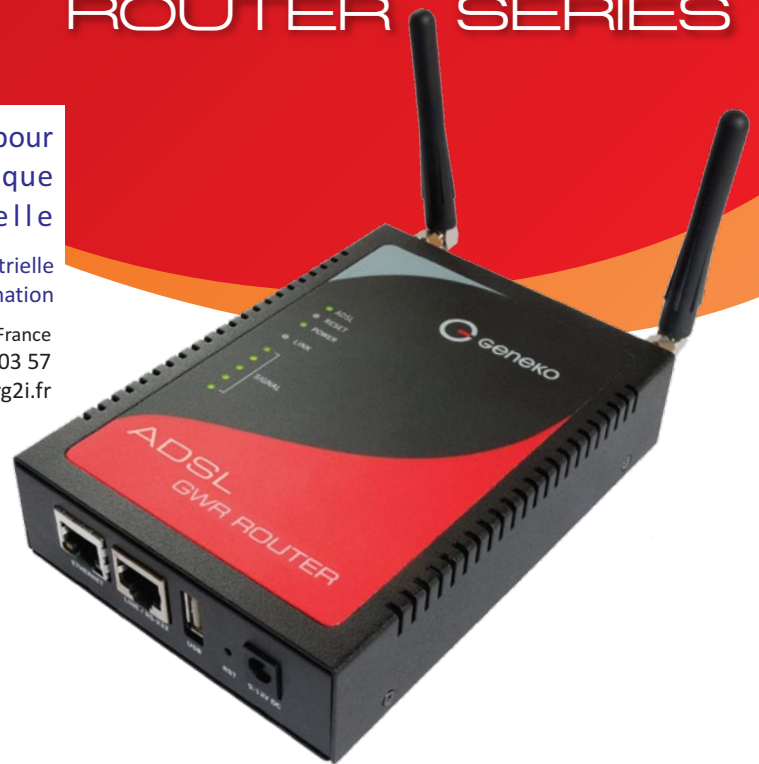




Interfaces pour  
l'informatique  
industrielle

Produits et Solutions en Communication Industrielle  
Acquisition de Données et Transport de l'Information

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GAWR routers represent a robust solution designed to provide primary internet connection over ADSL and failover option across cellular networks. GAWR routers bring scalability of even most demanding corporate networks on highest possible level. Installing a reliable, high performance solution that includes primary ADSL line and backup 2G/3G connection is now a simple task thanks to modern cellular networks. Therefore, no matter if the goal is to provide primary internet access or backup solution for already existing network GAWR router series represents a top rated solution.

So many useful features make GAWR routers a perfect solution for wide variety of applications:

- ADSL line + Dual SIM card support increase the reliability of the router and provides a solution for those applications where failure of one primary ADSL line must not result in system downtime. Automatic failover feature will detect the failure of primary ADSL connection and automatically switch to cellular network using SIM1. Even if first cellular network goes down at the same time as ADSL line, router still has an option and automatically switches to second cellular network using SIM2. When the connectivity over primary connection is restored GAWR router will perform switchover to primary connection.
- VPN (GRE, IPsec and OpenVPN) tunnel support provides powerful options for network expansion and secure data.
- Easy to use web interface, extended CLI (Command Line Interface), detailed log, SMS control feature, partial and full configuration Export/Import and remote management and monitoring software provide wide range of management functionalities. All those features and tools empower a user with full control over GAWR routers.

GAWR routers represent a perfect solution for remote offices, POS, vending machines and similar applications. Wherever ADSL line exists, GAWR series can increase availability and reliability by adding GSM/UMTS network as failover option.

## Technical specifications

### ADSL characteristics

- Line interface: Multimode, ANSI T1.413, ITU-T G.dmt annex A, ITU-T G.lite
- Encapsulation: PPPoE

### Interfaces and connectors

- 1x embedded interface LTE/HSPA+/HSPA/UMTS/EDGE/GPRS (depending on the router model)
- Dual SIM slots
- SMA female connectors (50 Ω) for external antenna (one or two, depending on the router model)
- 1x Ethernet interface 10/100 Base-T (LAN)
- 1x Serial RS-232 interface
- 1x USB Host 2.0 interface

### RF characteristics

RF characteristics depend on the GAWR router model. Below is a list of available router models from GAWR series and corresponding RF characteristics:

#### GAWR202 model – GPRS

(Part number: G016501003)

GPRS Tri-band: 900/1800/1900

GPRS multi-slot class 10, mobile station class B

GPRS DL: 85.6Kbps, UL: 42.8Kbps

#### GAWR252 model – GPRS/EDGE

(Part number: G016501004)

GSM/GPRS/EDGE Quad band: GSM 850/900/1800/1900 MHz

GPRS/EDGE multi-slot class 12, mobile station class B

EDGE DL: 236.8Kbps, UL: 236.8Kbps

GPRS DL: 85.6Kbps, UL: 85.6Kbps

#### GAWR352 model – GPRS/EDGE/UMTS/HSPA

(Part number: G016303015)

UMTS/HSDPA/HSUPA Quad band: 850/900/1900/2100 MHz

GSM/GPRS/EDGE Quad band: 850/900/1800/1900 MHz

GPRS/EDGE multi-slot class 12, mobile station class B

HSDPA DL: 7.2Mbps, HSUPA UL: 5.76Mbps

UMTS DL: 384Kbps, UL: 384Kbps

EDGE DL: 236.8Kbps, UL: 236.8Kbps

GPRS DL: 85.6Kbps, UL: 85.6Kbps

### Status LED

- Ethernet activity/network traffic
- Power on
- GSM link activity
- Signal quality
- Reset

### Power requirements

9-12VDC / 1000mA (9-24V DC option is available)

### Environmental

- Operating temperature: -10° C to 55° C (14° F to 131° F)
- Storage temperature: -20° C to +85° C (-4° F to +185° F)
- Relative humidity: 5% to 95% (non-condensing)

### Housing

- Robust metal housing with optional DIN rail mounting kit.

### Dimensions and weight

- Width: 95mm
- Length: 135mm
- Height: 35mm
- Weight: 380g



## Protocols and Features

### Network

- DHCP server
- RIP
- Port forwarding
- DMZ support
- SNMPv1,2c
- DynDNS
- NTP
- Firewall (NAT, PAT, IP filtering)
- Serial-to-IP
- ModbusRTU-to-ModbusTCP

### VPN

- GRE
- GRE Keepalive
- IPsec pass-through
- IPsec
  - Data integrity
    - HMAC-MD5, SHA-1
    - Authentication and key management
- IKE, manual keys
- IKE features
  - Perfect Forward Secrecy
  - Auth-Method PSK
  - Identify IP address
  - DPD for constant connection
  - Automatic NAT-T behind NAT
  - Initiator and responder
- IPsec tunnel failover
- OpenVPN

### Certificates

**QMS**  
ISO 9001:2008

**CE** certified

### Management

- Web application (HTTP based)
- Command Line Interface on serial console, telnet and SSH
- GWR connection wizard
- SMS control
- Remote management and monitoring software
- Detailed system log
- Default reset
- Firmware upload
- Partial or full configuration Export/Import