

Fanvil GA100-48R VoIP Gateway (GA100-48R)



Product Name: Fanvil GA100-48R VoIP Gateway (GA100-48R)

Manufacturer: Fanvil

Model Number: GA100-48R

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The Fanvil GA100-48R analog voice gateway can be used to connect traditional telephones, fax machines, modems, POS devices, and PBX systems to IP-based telephone networks, providing powerful, stable, reliable, and cost-effective VoIP solutions for IP call centres and multi-branch offices. The GA100-48R features an ARM quad-core processor + CPLD hardware architecture and an embedded Linux system. Using an ARM chip cluster stacking solution, this product delivers high-density, high-capacity gateway performance with exceptional stability. Supporting 48-channel FXS voice access with high capacity density and equipped with 2 Ethernet ports, it meets large-scale access requirements and supports reading device information via mobile phone NFC. Fanvil GA100-48R Technical Specifications:

Generic

- 48-channel (FXS) voice services
- 48 concurrent calls
- TDM to IP call conversion
- SIP/IMS registration
- Simultaneous registration of multiple servers (primary and backup)
- Centralised management
- Tone detector
- Number change
- Automated gateway configuration deployment
- ACL extension registration and web access support

Audio

- Narrowband codecs: G.711a/u, G.723, G.729A/B, iLBC, AMR
- DTMF: In-band, Out-of-Band (RFC2833 / SIP Info)
- Acoustic Echo Cancellor (AEC)

FXS Features

- Three-party conferencing
- Group ringing
- Round-robin ringing
- Pick-up
- Call forwarding
- Call waiting
- Do not disturb
- Hook flash detection
- Calling number delivery: FSK and DTMF
- Auto-dialing
- Caller ID
- Fax
- Polarity reversal

Network

- 10/100/1000 Mbps Ethernet
- IP mode: IPv4/IPv6
- IP configuration: Static IP / DHCP

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- IP address and DNS domain name resolution
- VPN client support
- Firewall

Protocols

- SIP V1.0/2.0, RFC3261
- TCP, UDP, HTTP, HTTPS, ARP/RARP, DNS, NTP, TFTP, TELNET, STUN, TR069, SRTP, TLS, SIP/IMS, SNMP

Deployment & Management

- Web management
- Supported languages: Chinese, English, Russian
- Firmware upgrades
- Web-based ping test / tracer test
- Administrator authentication
- System and service status monitoring
- Third-party centralised management support
- Automatic deployment
- Syslog (Error, Warning, Info, Debug)

Other Physical Features

- FXS ports: RJ21 ×2
- Gigabit electrical ports ×2
- Gigabit network optical port ×1
- USB port: Mini USB ×1
- Lightning protection grade: Level 4
- Access voltage — AC power input: 100-240V~3A
- Access voltage — DC power input: -38.4V to -60V, typical -48V
- Telephone line impedance: meets national standard three-element network impedance
- Indicator lights: PWR, WAN, LAN, FXS
- Power consumption: <48W
- Working temperature: 0°C to 45°C
- Storage temperature: -20°C to 85°C
- Working humidity: 8% to 90%, no condensation
- Storage humidity: 8% to 90%, no condensation
- Product weight: 4.8 kg (6.0 kg with packaging)
- Dimensions (W x D x H): 44.0 x 41.24 x 4.4 cm

Package Contents

- 1 x Fanvil GA100-48R VoIP Gateway

Please Enquire