

## Dinstar DWG2000B-16G SIP/GSM VoIP Gateway - 16 Channels [DWG20016]



Product Name: Dinstar DWG2000B-16G SIP/GSM VoIP Gateway - 16 Channels [DWG20016]

Manufacturer: -

Model Number: DWG2000B-16G

Dinstar DWG2000B-16G SIP/GSM gateway with 16 GSM channels

The Dinstar DWG2000B-16G VoIP Gateway is a cost-effective SIP/GSM gateway for SMEs and system integrators, and also opens up new revenue generating opportunities for service providers. The DWG2000B-16G allows a SIP based IP PBX telephone system or VoIP line to be connected directly to the GSM/CDMA cellular network, which can dramatically lower the cost of mobile calls by taking advantage of lower mobile-to-mobile tariffs. The DWG2000B-16G is a Quad-band SIP/GSM gateway that supports 16 GSM channels / SIM cards. The DWG2000B-16G works with Asterisk® based IP PBXs like Elastix®, trixbox®, and FreePBX®, as well as other Open Source and proprietary SIP based IP PBXs, Switch, IVR, and VoIP gateway applications.

Features of Dinstar DWG2000B-16G SIP/GSM gateway

- Applications: SIP IP PBX GSM Trunk, SIP VoIP line Gateway, SMS Server
- Quad-Band GSM 850/900/1800/1900 Mhz
- Tri-Band CDMA450/800/1900 MHz
- 1 year warranty against hardware defects
- 14 day money back guarantee
- 30 day email support for technical installation issues

Target Applications

- SIP/GSM gateway for SIP based IP PBX (e.g. Asterisk®) or VoIP line
- Back up solution in case of a PSTN/VoIP failure
- Mobile IP PBX (e.g. for trade shows, temporary offices, disaster recovery, etc.)
- SMS gateway for batch sending/receiving text messages (e.g. appointment reminders, customer order updates, remote/field worker communications, etc.)
- GSM callback services

Technical Summary

- Voice codecs supported include G.723.1, G.729A/B, G.711 (a-law and u-law)
- Support for Fixed IP, DHCP, Automated NAT traversal using IETF STUN
- Protocols supported include SIP RFC3261, TCP/UDP/IP, RTP/RTCP, HTTP, ARP/RARP, ICMP, DNS, DHCP, NTP, TELNET, PPPoE, STUN
- Support for 16 GSM channels, 1 SIM card per GSM channel
- Quad-Band GSM 850/900/1800/1900 Mhz
- Tri-Band CDMA450/800/1900 Mhz
- PPTP for VPN Support
- Support for multiple user configurable VLANs: Data, Voice, Management
- Send/receive batch SMS up to 300 characters, support for AT commands
- Unstructured Supplementary Services Data (USSD) support

## Dinstar DWG2000B-16G SIP/GSM VoIP Gateway - 16 Channels [DWG20016]

- Adjustable TX/RX gain: -6db~+6db
- Offhook Auto-Dial Hotline service
- DTMF Signaling via RFC 2833 or SIP Info
- Built-in PPPoE client for establishing DSL link connection with ISP
- LEDs provide operational status information
- Support for external antennas
- PIN support for locked SIM cards
- Enhanced (Carrier Grade) Echo Cancellation: ITU Rec. G 168, up to 128 ms tail size
- Adaptive Jitter Buffer, Packet loss concealment (PLC), Comfort noise generation (CNG)
- Voice activity detection (VAD)
- HTTP Web configuration support

### Hardware Summary

- Rack mountable 1U chassis
- 16 SIM card slots
- WAN interface: 1 x RJ45 10/100Mbps autosensing
- Console port
- Operation temperature: 0&deg;C to 40&deg;C
- Storage temperature: -20&deg;C to 70&deg;C
- Humidity 10-90% (non condensing)
- Weight: 6.8Kg
- Dimensions (L x W x H): 440mm x 410mm x 44.5mm
- Power: 100-240VAC; 50-60 Hz
- Power Consumption: 60W
- Certificates: CE, FCC, ROHS

**Please Enquire**