

Dinstar UC2000-VF-16T GSM/LTE VoIP Gateway



Product Name: Dinstar UC2000-VF-16T GSM/LTE VoIP Gateway

Manufacturer: Dinstar

Model Number: UC2000-VF-16T

Dinstar UC2000-VF-16T GSM/LTE VoIP Gateway

The Dinstar UC2000-VF-16T is a 16 channels wireless gateway based on DINSTAR new hardware platform and powerful embedded CPU, leveraging state-of-art and latest VoIP / SIP technology, which enables the smooth transit between 4G/3G/2G mobile network and VoIP networks. Supporting up to 16 concurrent calls in a single 1U box, makes it an ideal choice for users. Moreover, with open API, it allows users to build their own application software to send SMS/USSD messages or bulk SMS messages, or push their text messages from email, HTTP etc. It is suitable for enterprises, multi-site organisations, call centers and areas with limited landline like rural area to cut down telephony costs and enable easy & efficient communications.

Dinstar UC2000-VF-16T Key Features

- Up to 16 Channels GSM or LTE
- Powerful Embedded CPU
- Compatible with LTE-FDD/LTE-TDD/WCDMA/GSM Networks
- Compatible with Mainstream VoIP Platform
- Hot Swappable SIM Cards
- Voice over LTE (VoLTE)
- HTTP API for SMS Application Integration
- SMS to Email & Email to SMS
- Flexible Dial Rules & Manipulation Rules
- Auto CLIP
- Remote SIMs Management (optional)

Dinstar UC2000-VF-16T - Technical Specifications

Hardware Interfaces

- Mobile: 16 Channels
- SIM Card slots: 16
- Antennas Connectors: SMA
- Ethernet Interfaces: 2*10/100/1000 Base-T, RJ45
- LED Indicators: Power, RUN, Channel indicator
- Console: 1* RS232 (USB-B connector)
- RST/PWR Button

VoIP & Media

- Protocol: SIP v2.0, RFC3261
- SIP UDP/TCP/TLS
- RTP/SRTP
- Codecs: G.711A/U, G.723.1, G.729A/B, G.722, AMR, OPUS(TBD)
- Silence Suppression
- Comfort Noise Generator(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation
- Dynamic Jitter Buffer
- DTMF: RFC2833, SIP Info
- Call Progress Tone Generation
- Programmable Gain Control
- NAT: STUN, Dynamic NAT, Static NAT

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Frequency Bands(2G/3G)

- ½ UC2000-VF-16G: GSM Gateway: 850/900/1800/1900MHz
- ½ UC2000-VF-16W: WCDMA Gateway with two options
- ½ A: WCDMA 850/1900MHz and GSM 850/900/1800/1900MHz;
- ½ B: WCDMA 900/2100MHz and GSM 900/1800MHz

LTE Frequency Bands

- ½ Type A:- FDD: B2/B4/B12- WCDMA: B2/B4/B5
- ½ Type E:- FDD:B1/B3/B5/B7/B8/B20- TDD: B38/B40/B41- WCDMA: B1/B5/B8- GSM:900/1800MHz
- ½ Type V: FDD:B4/B13
- ½ Type J:- FDD:B1/B3/B8/B18/B19/B26- TDD:B41- WCDMA:B1/B6/B8/B19
- ½ Type AU:- FDD:B1/B2/B3/B4/B5/B7/B8/B28- TDD:B40- WCDMA: B1/B2/B5/B8- GSM: 850/900/1800/1900

Software Features

- ½ Mobile to VoIP, VoIP to Mobile
- ½ SIP Trunk and Trunk Group
- ½ Caller/Called Number Manipulation Rules
- ½ SIP Codes Mapping
- ½ White/Black List
- ½ PSTN Hotline
- ½ VoIP Hotline
- ½ Abnormal Call Monitor
- ½ Minutes Limitation for Ports/Single Call
- ½ Balance Check
- ½ Low Balance Alarm
- ½ Auto Update SIM Number
- ½ Random Call Interval
- ½ Auto CLIP Routing
- ½ Signaling & RTP Encryption(DBO)
- ½ Auto SIP Account
- ½ PPTP/L2TP/OpenVPN

Mobile Features

- ½ SMS/USSD/PIN
- ½ Encoding: Unicode/ASCII
- ½ HTTP API for SMS
- ½ SMPP for SMS
- ½ Polarity Reversal
- ½ CID/CLIR
- ½ SMS Send and Receive
- ½ SMS to Email
- ½ Email to SMS
- ½ Auto SMS/Call Generation
- ½ Call Waiting/Call Back
- ½ Call Forward
- ½ Call Conference
- ½ GSM Audio Coding: HR, FR,EFR, AMR_FR,AMR_HR

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Maintenance

- Web/Telnet Configuration
- Configure Backup/Restore
- Firmware Upgrade by HTTP
- Factory Reset
- CDR (10000 CDRs Storage Locally)
- Syslog/Filelog
- Ping and Tracert
- Traffic statistics: TCP,UDP,RTP
- VoIP Call Statistics
- PSTN Call statistics: ASR,ACD,PDD
- Voice Diagnose with Loopback
- IVR Customisation
- SIP/RTP/PCM Capture
- SIMCloud Management
- Centralised Management(DMS)

Physical Features

- Power Supply: 100-240V,50- 60Hz@DC12V4A
- Power Consumption: 38w
- Temperature:- Operation: 0 ~ 40 ℃; Storage: -20 ~ 80 ℃
- Operation Humidity: 10%-90%
- Dimension(W/D/H): 440x270x44mm
- Unit Weight: 3.7kg

Price: £1,338.30