

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)

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

LTE Frequency Bands

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

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

Mobile Features

ï¿½ SMS/USSD/PIN
ï¿½ Encoding: Unicode/ASCII
ï¿½ HTTP API for SMS
ï¿½ SMPP for SMS
ï¿½ Polarity Reversal
ï¿½ CID/CLIR
ï¿½ SMS Send and Receive
ï¿½ SMS to Email
ï¿½ Email to SMS
ï¿½ Auto SMS/Call Generation
ï¿½ Call Waiting/Call Back
ï¿½ Call Forward
ï¿½ Call Conference
ï¿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