

## 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

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

### Frequency Bands(2G/3G)

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

### LTE Frequency Bands

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

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

### Mobile Features

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

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

### 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 &#8451; ~ 40 &#8451;;- Storage: -20 &#8451; ~-80 &#8451;;
- Operation Humidity: 10%-90%
- Dimension(W/D/H): 440x270x44mm
- Unit Weight: 3.7kg

**Price: £1,338.30**