

Dinstar UC2000-VF-8T GSM/LTE VoIP Gateway

Product Name: Dinstar UC2000-VF-8T GSM/LTE VoIP Gateway

Manufacturer: Dinstar

Model Number: UC2000-VF-8T

Dinstar UC2000-VF-8T GSM/LTE VoIP Gateway

The Dinstar UC2000-VF-8T 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-8T Key Features

- ½ Up to 16 Channels GSM or LTE
- ½ Powerful Embedded CPU
- ½ Compatible with LTE-FDD/LTE-TDD/WCDMA/GSM Networks
- ½ Compatible with Mainstream VoIP Platform
- ½ Hot Swappable SIM Cards
- ½ Voice over LTE (VoLTE)
- ½ HTTP API for SMS Application Integration
- ½ SMS to Email & Email to SMS
- ½ Flexible Dial Rules & Manipulation Rules
- ½ Auto CLIP
- ½ Remote SIMs Management (optional)

Dinstar UC2000-VF-8T - Technical Specifications

Hardware Interfaces

- ½ Mobile: 16 Channels
- ½ SIM Card slots: 16
- ½ Antennas Connectors: SMA
- ½ Ethernet Interfaces: 2*10/100/1000 Base-T, RJ45
- ½ LED Indicators: Power, RUN, Channel indicator
- ½ Console: 1* RS232 (USB-B connector)
- ½ RST/PWR Button

VoIP & Media

- ½ Protocol: SIP v2.0, RFC3261
- ½ SIP UDP/TCP/TLS
- ½ RTP/SRTP
- ½ Codecs: G.711A/U, G.723.1, G.729A/B, G.722, AMR, OPUS(TBD)
- ½ Silence Suppression
- ½ Comfort Noise Generator(CNG)
- ½ Voice Activity Detection(VAD)
- ½ Echo Cancellation
- ½ Dynamic Jitter Buffer
- ½ DTMF: RFC2833, SIP Info
- ½ Call Progress Tone Generation
- ½ Programmable Gain Control
- ½ NAT: STUN, Dynamic NAT, Static NAT

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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

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

Price: £813.00