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

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

Dinstar UC2000-VF-16T - Technical Specifications
Hardware Interfaces

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

VoIP & Media

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

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

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

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

Maintenance

ï¿½ Web/Telnet Configuration
ï¿½ Configure Backup/Restore
ï¿½ Firmware Upgrade by HTTP
ï¿½ Factory Reset
ï¿½ CDR (10000 CDRs Storage Locally)
ï¿½ Syslog/Filelog
ï¿½ Ping and Tracert
ï¿½ Traffic statistics: TCP,UDP,RTP
ï¿½ VoIP Call Statistics
ï¿½ PSTN Call statistics: ASR,ACD,PDD
ï¿½ Voice Diagnose with Loopback
ï¿½ IVR Customisation
ï¿½ SIP/RTP/PCM Capture
ï¿½ SIMCloud Management
ï¿½ Centralised Management(DMS)

Physical Features

ï¿½ Power Supply: 100-240V,50- 60Hz@DC12V4A
ï¿½ Power Consumption: 38w
ï¿½ Temperature:- Operation: 0 ℃ ~ 40 ℃;- Storage: -20 ℃ ~80 ℃
ï¿½ Operation Humidity: 10%-90%
ï¿½ Dimension(W/D/H): 440x270x44mm
ï¿½ Unit Weight: 3.7kg

Price: £1,338.30