

iGATE FCT

Compact gateway for GSM networks

The iGATE FCT connects your PBX to mobile networks



- Converts fixed-to-mobile calls into cost-saving mobile-to-mobile calls
- Tens-of-thousands of installations with virtually no defective units
- Supports incoming calls from mobile users to the corporate PBX and VPN
- SIM Provider Lock secures the unit against unauthorized SIM cards
- Supports SIM card PIN protection
- Local configuration via DTMF
- Fixed network backup via mobile

Cost effective and amazingly reliable

The iGATE FCT does what we say it does, does it well, and that saves your corporation money. We can say that because tens-of-thousands of corporations have installed these small units and have already saved hundreds-of-thousands of dollars.

Easy installation, no maintenance, and ongoing savings add up to speedy ROI and make the iGATE FCT gateway a must for your corporation. Small, but designed for heavy duty operation, by converting fixed-to-mobile calls into mobile-to-mobile calls you eliminate PTT charges.

Complete GSM compatibility

The leading mobile standard – GSM – is supported by the iGATE FCT. This ensures seamless integration into the vast majority of existing telecom infrastructures.

Also, the iGATE FCT operates via either 900/1800 MHz or 900/1900 MHz dual band GSM.

Convenient remote configuration

Eliminate costly maintenance by using remote SMS commands to control the iGATE FCT 1 FXS. The iGATE FCT 1 FXS analyzes your SMS message, executes the command, and replies to the phone number you called from.

Premium suite of features

Features like Call Duration Limit, Toll Restriction, PIN Code Programming, Calling Line Identification Restriction (CLIR), and too many more to list, ensure that you can customize the iGATE FCT to match the needs of your corporation.

Guaranteed voice quality

The iGATE FCT supplements mobile network voice quality with configurable audio gain. The volume can be adjusted in both directions: transmit and receive.

iGATE FCT

iGATE FCT (FXS)

CAPABILITIES

Scalability	1 mobile channel 1 SIM 1 FXS
Advanced	Network / Provider lock PIN code restriction Toll restriction
Echo cancellation	Configurable
Call features	Caller ID control (on outgoing calls only) Call hold, call waiting, call duration limitation Immediate dialing

PROTOCOLS

Mobile	GSM: Dual band (900/1800 800/1900 MHz)
Data port	RS232, AT command compatible

SYSTEM MANAGEMENT

DTMF management
SMS management

PHYSICAL PARAMETERS

Size (W x H x D)	64 x 33.4 x 165 mm
Power supply	100–240 VAC, 50–60 Hz
Supply voltage	9 VDC, 1 A
Consumption	6 W

CONNECTION SPECIFICATIONS

Telephony	RJ11-C (pin2,3-TIP, pin4, 5-RING)
Antenna	SMA
Line loop current	40 mA max
Line supply voltage	-48 VDC ± 10 %
Line impedance	600 Ohm
Dial tone	400 Hz ± 1 %
Ring generator	42 Vrms/25 Hz
Line signaling	DTMF
Disconnect signal	Reverse polarity, Pulse drop

ENVIRONMENTAL CONDITIONS

Temperature	0 °C to +40 °C
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CERTIFICATES

CE, Safety

iGATE FCT (BRI)

CAPABILITIES

Scalability	1/2 mobile channels 1 SIM per port 1 BRI
Advanced	Network / Provider lock
Echo cancellation	Configurable
Call features	Caller ID (incoming & outgoing calls) Call hold, call waiting
Routing	MSN routing

PROTOCOLS

ISDN	BRI:DSS1, NT /TE, PP, External sync.
Mobile	GSM: Dual band (900/1800 800/1900 MHz)
Data port	RS232, AT command compatible

SYSTEM MANAGEMENT

Secured remote management via SMS
Management program via RS232

PHYSICAL PARAMETERS

Size (W x H x D)	120 mm x 53 mm x 200 mm
Power supply	100–240 VAC, 50–60 Hz
Supply voltage	12 V DC, 2 A
Consumption	18 W max

CONNECTION SPECIFICATIONS

Telephony	1/2 x BRI, RJ-45
External Sync.	Incoming timing, RJ-45
Antenna	SMA

ENVIRONMENTAL CONDITIONS

Temperature	0 °C to +40 °C
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CERTIFICATES

Safety, CE



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