



IMG58

Max. FXS/FXO ports: 48

Max. concurrent calls: 48

Features

- SIP/MGCP protocols
- 500 routing and number manipulation rules
- Fax over IP using T.38 & G.711 pass-through
- Dual redundant Ethernet ports
- Dual DC/AC power supplies available
- PSTN failover
- TLS/SRTP
- Auto provisioning
- Remote access via Cloud (US: YoubiquiTy)
- Management third-party EMS (TR-069, SNMP)
- Interoperability with popular SIP servers, such as Cisco CallManager/ CUCM, Broadsoft, Microsoft Skype for Business (Lync), Huawei IMS, VoS, FreeSWITCH and Asterisk/Elastix
- Class I lightning protection

The IMG58 is a reliable, cost-effective, high-performance VoIP gateway with up to 48 FXS/FXO ports, designed to meet the needs of high-traffic contact center and enterprise applications.

The feature-rich IMG58 allows users to consolidate analog phones, fax machines, and POS terminals, configurable with up-to-full concurrency over SIP trunks and the PSTN.

Comprehensive Feature Set

As an intelligent gateway running on embedded Linux operating system, the IMG58 supports an advanced feature set such as call forward, call transfer, 3-way calling, caller ID, DND, color ringback tones, call forking, automatic routing, digit map, and much more, providing a complete and highly reliable VoIP solution.

Carrier-class Reliability

The IMG58 provides high-availability configurations with SIP registration failover, load balancing and PSTN failover with optional 1+1 redundancy of Ethernet ports and power supplies, virtually eliminating downtime.

Robust Protection against Intrusions

IMG58 provides a rich set of features to support perimeter protection against malicious intrusions, such as brute force logins and SIP attacks, ensuring a high level of security in your IP telephony environment.

Remote Management and NAT Traversal

The IMG58 includes the Cloud client, providing easy access with NAT traversal to endpoint devices and value-added applications for remote, real-time monitoring, maintenance, software upgrades, troubleshooting, data analysis, alarm notification, remote and packet capture.

Specification

Protocols

Call control SIP/UDP and SIP/TCP (RFC3261), IMS (3GPP), MGCP (RFC3435)

Network SSH, HTTP, HTTPS, DHCP/PPPoE client, Radius, DNS (A/SRV record), STUN

Media Processing

Caller ID Bellcore/Telcordia, ETSI, BT, DTMF

Codec G.711 (a/μ), G.729a, G.723.1, GSM, iLBC

DTMF In-band audio, RFC2833, SIP-INFO

Hook-flash Local processing, RFC2833, SIP-INFO

Fax over IP T.38, G.711 pass-through
T.38 compliant Group 3 Fax Relay
Maximum fax rate of 33,600 bps (pass-through)

Disconnect modes Polarity reversal, Busy tone detection, Loop current

QoS DiffServ, TOS, 802.1P/Q VLAN tagging

Voice-quality enhancement Echo cancellation (G.168-2004), Jitter buffer, Silence suppression (VAD, CNG), PLC

Voice

Call transfer Blind transfer, Consultative transfer

Call forward Call forward all, Call forward no answer, Call forward busy

Call recording storage Remote recording server for storage

Call settings Routing based on the caller or callee number, Digit map, 3-way calling, Speed dialing, Do not disturb, Call forking, Color ringback tones, Hunt group, Ring cadence, Message Waiting Indicator (MWI)

Security

Protocol HTTPS, SSH, TLS, SRTP

Encryption Encrypted password/PIN

Intrusion prevention Brute force login protection, Access list, Firewall, SIP-allowed IP addresses, Alarm and notification*

VLAN Auto discovery via DHCP, Manual configuration

VPN client* L2TP, OpenVPN

High Availability

Redundancy Primary-Standby, Active-Standby, Load balancing

PSTN failover Power failure, Network failure

Provisioning, Administration and Maintenance

Device management EMS, TR-069 management (TR-069, TR-104 and TR-106), SNMP

Remote access over TCP Cloud (US: YoubiquiTy)

Auto provisioning Download configuration file via TFTP/FTP/HTTP/HTTPS, Obtaining ACS address via DHCP option 66 or redirection

Log management 8-level logs, Syslog

Data capture Port capture, Packet capture

Status and statistic Call status and history, Device status monitoring and statistics collection

Upgrade Firmware upgrade via Web GUI or Auto provisioning

* Roadmap feature

Included Software

Software

Finder Obtains IP addresses of devices in a LAN environment

Telegreeting Formats pre-prepared IVR audio files for uploads them into a device

Recording Agent Receives recording streams in PCM and converts them into MP3 format. Includes management functions such as search, play, delete and backup

Hardware

CPU	1GHz
Voice DSP module	200 MHz, 2 to 6 modules
RAM	128 MB, DDR3
Flash	32 MB
H×W×D (1U)	44 × 440 × 260 mm
Weight (net)	3 kg maximum
Single/Dual AC power supplies	100 to 240V AC, 50/60 Hz, 1.2 A maximum
Single/Dual DC power supplies	-36 to -72V DC, 2A
Power consumption	60 W
Mounting	Rack
Operating	Temperature: 0 to 40°C Humidity: 10 to 90% RH (non-condensing)
Storage	Temperature: -40 to 70°C Humidity: 5 to 90% RH (non-condensing)



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