



# IMCO-M50 IP Phone System

for Small and Medium Businesses



No User License Fee

All Standard PBX Features

Many Advanced PBX Features

Desktop Call Management

Firewall

Intrusion Detection

Enhanced Security Policies

Support Program

Remote Backup Service

Disaster Recovery



The IMCO-M50 IP phone system is an ideal solution for small and medium businesses with up to 100 extensions. Adopting the innovative modular design, it is very convenient to increase telephony ports to expand the system. IMCO-M50 supports industry standard SIP trunks, analog PSTN trunks (with the FXO Module), analog stations (with the FXS Module), mobile GSM trunks (with the GSM Module), as well as and (with the PRI/BRI Module).

IMCO-M50 is a next-generation Hybrid IP PBX system designed and optimized for today's business telecommunication needs. IMCO-M50 is an affordable, scalable, interoperable, secure and reliable solution that provides not only traditional PBX features, such as automated attendant and voicemail, but also many advanced features including remote extensions, remote office connection, a conference bridge, call recording, call detail records (CDR), automatic call distribution (ACD), and unified messaging (voicemail to email) and many more features.

## Highlights and Features

- HD Voice Codec G.722 for perfect voice quality
- Fax to email/email to fax
- Voicemail to email
- A Console Port for easy management
- A USB port for expanded storage or 3G network connectivity
- A Hardware echo cancellation module

## Telephony Configuration

Module	Slot	Slot 1	Slot 2
4FXS		✓	✓
4FXO		✓	✓
2FXOS		✓	✓
2GSM		✓	✓
4GSM		✓	✓
1PRI		✓	✗
4BRI		✓	✗

Slot 2 is for Analog/GSM Modules only

IMCO-M50

## System Specifications

### Call Features

Call Back  
Call Forward  
Call Group  
Call Hold  
Call Paging and Intercom  
Call Park  
Call Pickup  
Call Queue  
Call Recording  
Call Routing  
Blind Transfer  
Attended Transfer  
Call Waiting  
Caller ID  
Dial by Name  
Music On Hold/Transfer  
3-Way Conference  
Video Calls

### PBX Features

Black List  
BLF (Busy Lamp Field)  
CDR (Call Detailed Record)  
Conference Room (3 Rooms)  
Call Monitoring  
DID (Direct Inward Dialing Number)  
DISA (Direct Inward System Access)  
Distinctive Ringtone  
DND (Do Not Disturb)  
DNIS (Dialed Number Identification Service)  
Feature Codes  
FOP (Flash Operation Panel) Status Monitoring  
Follow Me  
IVR (Interactive Voice Responses)  
Mobility Extension  
Multi-Language Prompts  
Multi-Language GUI  
One Touch Recording  
Phone Book  
Phone Provisioning  
Pin Set  
Record File Download  
Ringgroup  
SIP Register with UDP/TCP/TLS  
SIP Trunk  
Skype for SIP  
Smart DID  
Speed Dial  
Spy  
SRTP (Secure Realtime Transport Protocol)  
T.38 Fax (Pass-through)  
Time Based Rule  
Virtual Fax  
Voicemail & Voicemail to Email

### System Capacities

20 Concurrent Calls  
Up to 100 IP Phone Registers/Extensions  
Recording: 21,000 mins (.gsm); 3,000 mins (.wav)  
Voicemail: 21,000 mins (.gsm); 3,000 mins (.wav)

### Codecs and Protocols

Audio Codecs: G.722/G.711-Ulaw/G.711-Alaw/  
G.726/G.729/GSM/SPEEX  
Video Codecs: H.261/H.263/H.263+/H.264  
Protocols: SIP (RFC3261)/IAX2  
DTMF: RFC2833/SIP INFO/In-Band

### Network Features

DDNS Client  
DHCP Server  
IPv4/IPv6/IEEE802.1Q  
IP Assignment (PPPoE/DHCP/Static)  
SNMP v1/v2  
TR069  
Static Route Table  
Trouble Shooting (Ping/Traceroute)  
VPN Client (N2N/L2TP/PPTP/OpenVPN)  
VPN Server (PPTP/L2TP/OpenVPN, Up to 10 Users)

### Security Features

Refuse SIP Register DoS  
Refuse Abort Invite DoS  
Refuse SSH Login DoS  
Firewall

### Logs

PBX Log  
Web Access Log  
PBX Debug Log

### Hardware Interfaces

1 Reset Button  
1 Power Interface  
1 Ethernet Interface  
1 Console Interface  
1 USB Interface  
1 Interface for Optional  
Hardware Echo Cancellation Module  
1 Interface for Optional UMTS Module  
Slot 1 for ZYCOO Analog/GSM/PRI/BRI Module  
Slot 2 for ZYCOO Analog/GSM Module

### Hardware Specifications

Processor: DualCore 500MHz DSP  
SDRAM: DDR2 256MB  
Storage: 4GB SD Card  
Power Supply: Input AC 100~240V, 50/60Hz;  
Output DC 12V/2A

### Environment

Working Temperature: 0 ~ 40°C  
Storage Temperature: -20 ~ 55°C  
Humidity: 5 ~ 95% Non-condensing

### Packings

Dimension: 410 × 220 × 85mm  
Weight/Unit: 2.2kg  
Unit/Carton: 6 Units  
Weight/Carton: 13.5kg



\*PSTN is not perfectly supported temporarily in UK