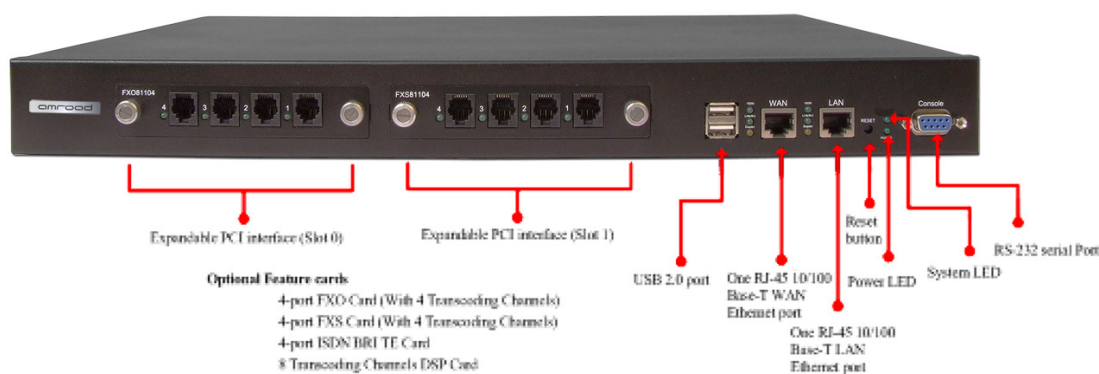




What you need today is Essence IPBX for tomorrow's productivity

Energize your business with effective Essence IPBX system which comes with easy setup and administrator-friendly designs. Essence IPBX system delivers you the best---for its high technology integration that can maximize the work efficiency of *any business* and is worth of every dollar of your investment.



Front View of IX-1825

System Highlight

- Highly integrated, embedded system for more stability and worth of your investment
- Immediately provides VoIP connection to ITSP and to any remote site
- Analog interface to PSTN
- Seamless integration with legacy PBX
- Flexible dialing plan settings for applying to a virtual IP-PBX system
- Off-ramp and on-ramp call for VoIP and PSTN
- Remote management capability
- Quick-batch configuration by Command Line Interface (CLI)

Features Highlight

- Multi-lingual voice prompts for international business
- Customizable 3-layer IVR for creating your own IVR scenarios
- ACD (Automatic Call Distribution) to form basic Call Centers for facilitating small-medium enterprise's needs
- Various automatic schemes including auto provision and auto firmware upgrade
- Stackable design for scalability and for preserving your pervious investment
- UMS (Unified Messaging feature) supported
- Meet-me conference service to expend you meeting room virtually
- Newly released wizard function for easier configuration
- Function-rich Voice Mail System to manage your voice message efficiently
- Voice Mail System with E-mail Notification

CAC (Call Admission Control)
 Call keep alive scheme
 Most legacy PBX features supported
 CDR (Call Detail Record) with .CSV file format
 FAX relay and pass through (T.38 and T.30)

SIP Compliance

Supported Standards

RFC 3261, RFC 3311, RFC 3515, RFC 3265, RFC 3892, RFC 3361

RFC 3842, RFC 3389, RFC 3489

RFC 3428, RFC 2327, RFC 2833

RFC 2976, RFC 3263, RFC 3264

RFC 3362, RFC 4612,

SIP Registrar

Static/Dynamic registration
 Configurable Expiry Time
 MD5 authentication
 Handle loose RFC-compliant SIP devices
 Resilient message retry mechanism
 Cache client registrations

SIP Proxy

Stateful proxy server
 NAT traversal for clients
 Inter-proxy call hand-off
 Outbound Proxy behind NAT Device

PBX System

Call Features

200 users and extensions with Voice Mail account
 50 concurrent sessions²
 Codec G.711 (μ /A-law), G.723.1 (6.3k/5.3k bit/s), G.729A, and G.726 (16k/24k/32k/40k bit/s) supported
 Transcoding channel 0~16, subject to add-on card
 In-band/RFC2833/SIP-INFO DTMF translation
 Two expandable slots for telephony interfaces
 50 SIP trunks for ITSP account or private trunking shared by extensions
 200 DID SIP trunks to extensions
 Support gateway trunk mode per SIP trunk
 Enable/Disable NAT Traversal per SIP trunk
 Call admission control of call count or bandwidth per SIP trunk
 Long call audit
 Support Call keep alive
 Support Registered keep alive
 NAT session keep alive
 Configurable RFC 2833 payload type per SIP trunk
 FXS/FXO analog trunking
 FXO disconnection tone detection
 FXO disconnection tone parameter setting
 FXS hot line
 FXS warm line
 Caller ID detection
 Trunk hunting

Digits manipulation during hunting
Life-line priority call
Support SIP Call Hold, Call Waiting
Support SIP phone⁵ 3-way conference
Support Blind/ Attended Transfer
In-line Call Transfer
Unconditional, Unavailable, Busy Call forward
Call Back on Busy between extensions
Per calling number forward and rejection
Blacklist of number patterns
32 call pick-up groups
Call Park and Retrieve
Recording on demand with Essence IP phones
Remote extension registration via Internet
Direct line to extension (DID to Extension)
Direct line by called number (DID by Number)
Direct line by privilege (DID by Privilege)
Echo Cancellation (G.168)
Flexible numbering plan
Call privilege grouping
Configurable Music on Hold
Memo Call for extension
Schedule-based Broadcast
Support T.38 FAX over IP
Support T.30, T.38 FAX pass through
ENUM resolution
Auth. Dial passcode
Group Call
Support H.261, H.263, H.264, MPEG-4 and MJPEG Video codec pass through
Peer to Peer (Invite/Update)
Fast Bridging for expressing media forwarding

NAT

Auto NAT discovery and traversal
Built-in STUN client
RTP proxy
RTP port range designation

IVR

50 configurations of 3-layer IVR
Worktime/Holiday setting for different IVR
Configurable greeting prompts
Music on Ringing extensions
Forward to Voice Mail on No-answer
Support 3 languages in IVR tree
Hot key to operator

Voice Mail

User Authentication by PIN
Multilingual, 3 languages
Multi-folder Archive
Fast-forward /Rewind /Undelete
MWI notification
VMWI notification
E-mail notification and attachment (Unified messaging)
Personal greeting on unavailability and busy
Record personal greeting through phone
Voicemail Forwarding
Reply call or new call after logged in Voicemail menu
Built-in 40GB hard disk drive for Voicemail
Support USB 2.0 interface for Voicemail, CDR, and system configuration backup

Support NFS remote backup for Voicemail, CDR, and system configuration

Meet-me Conference

24 conference rooms with configurable number and PIN
Up to 24 parties^{4,1} among all conference rooms
Lock/Mute/Join/Drop control for administrator
Music on First Dial-in Party

Hot key to leave the conference
Hot key for administrator to manage the conference

Automatic Call Distribution

32 queues with 32 agents among all queues.
32 inbound call among all queues
Configurable waiting length for
individual queue
Support five distribution policies including round robin, ring all, least recent, fewest call, and random
Configurable waiting time for each queue
Allow agent remotely log-in
Agent can participate multiple queues
Agent phones also allow extension calls

Stackable

Support LAN stacking up to 4 units in the same model
Automatic intra-trunking creation among stacking units
Automatic configuration publishing from Master to Slaves
Automatic load balancing in hosting feature phones³

Administration

System Management

Web-based configuration with session control
User and administrator configuration mode
Automatic expiring the idle sessions
Support firmware upgrade through the Internet
Configuration Wizard for mass extensions and users creation
Step-by-Step Wizard for adding users, extensions and trunks
Built in online help in wizard
Command Line Interface (CLI) for configuration
System event Syslog
Downloadable Call Detail Record (CDR)
Extension registration status
Active call status
TFTP server and TFTP repository maintenance
NTP synchronization
Real Time Clock setting
DHCP Server with multiple partitions, Per-MAC IP binding, list of options
Configurable Time Zone
Firmware Upgrade through web interface and console

Network Management

DHCP/PPPoE/Static IP on WAN
Support MAC Clone on WAN
Allow WAN to Respond PING
Allow LAN use only
Static LAN routing
Firewall on predefined services
Virtual Server for client device
NAT for outbound traffic from LAN
WAN QoS queuing mechanism for VoIP and data traffic

Support TOS setting
DNS forwarder and dynamic DNS
SNMPv2 with standard MIB format
Adaptive WAN bandwidth and DSP channel saving

Optional Feature cards

FXO81104, 4-port FXO card (with 4 transcoding channels)
FXS81104, 4-port FXS card (with 4 transcoding channels)
BRI 81004, 4-port ISDN BRI TE card
DSP81000, DSP card with 8 transcoding channels
IPSec 81003

Hardware Specification

Hardware Interfaces

One RJ-45 10/100 base-T WAN Ethernet port
One RJ-45 10/100 base-T LAN Ethernet port
Two USB 2.0 ports
One RS-232 serial port
Two expandable PCI interface slots

System Dimension

443 x 315 x 44 (mm), 1U rack mount

System Power Requirement

Power input 100~240V AC, 50~60 Hz
40 W (max)

Environment

Operating temperature 0~50°C
Storage temperature -10~70°C
Humidity (RH) 10~80% non-condensing

Regulatory and Safety

FCC Class A certified, FCC part 68, CE/EMC/LVD/TBR21, VCCI, JATE, ROHS