

FA110 IP PBX

The FA110 combines the rich feature set of high-end PBX telephone systems with the convenience and cost advantages of Voice over IP. It has common voice system features such as an auto-attendant, three way call conferencing, intercom, music on hold, call-forwarding and much more. The FA110 opens up access to the benefits of VoIP, including low cost long distance service and one network for both voice and data.

Feature List

Call Features

Automated Attendant	Blacklists
Blind Transfer	Call Detail Records
Call Forward on Busy	Call Forward on No Answer
Call Forward Variable	Call Monitoring
Call Parking	Call Queuing
Call Recording	Call Routing (DID & ANI)
Call Snooping	Call Transfer
Call Waiting	Caller ID
Caller ID on Call Waiting	Caller ID Blocking
Calling Cards	Conference Bridging
Direct Inward System Access	Dial by Name
Do Not Disturb	ENUM
Interactive Directory Listing	Interactive Voice Response -IVR
Local and Remote Call Agents	Music On Hold
Overhead Paging	Remote Call Pickup
Remote Office Support	Roaming Extensions
Route by Caller ID	Supervised Transfer
Talk Detection	Text-to-Speech*
Three-way Calling	Time and Date
Transcoding	Trunking
Voice recording (extension level)	VoIP Gateways

* Advanced Integration Service required

Voice Mail

Visual Indicator for Message Waiting	Voicemail to email
Stutter Dialtone for Message Waiting	Web Voicemail Interface

Advanced Telephony Integration

AGI (Asterisk Gateway Interface)	Graphical Call Manager
Site to Site IAX Connection	Outbound Call Spooling
TDMoE (Time Division Multiplex over Ethernet)	Voice-over IP
Allows direct connection of Asterisk PBX	Uses Ethernet Hardware

Supported Protocols and Codecs

Traditional Telephony

FXS & FXO	Loopstart, Groundstart, Kewlstart
Feature Group D	Robbed-bit Signaling (RBS) Types
E&M, E&M Wink	MF & DTMF

PRI Protocols

4 ESS and Lucent 5E	BRI and EuroISDN
DMS100 and NFAS	National ISDN2

Voice over IP

H.323	SIP (Session Initiation Protocol)
IAX2 (Inter-Asterisk Exchange)	SCCP (Cisco® Skinny®)
MGCP (Media Gateway Control Protocol)	

Codecs

G.711 (A-Law & μ -Law)	ADPCM
G.722	GSM
G.723.1 (Pass Through)	iLBC
G.726	Speex
G.729 (Commercial License Required)	



System Capacity (Max.)

Item	Description
Number of Concurrent Calls	10
Number of Extensions	40
Number of Analog Ports	8*
Number of PRI (E1/T1) Ports	1 (up to 10 Concurrent PRI Calls)
Number of Telephony Ports	10 (1 x E1 PRI)

* Additional Ports with Channel Bank Units

Options

Option	Description
FA-PRI-1	1 Port ISDN (30 Channels) Digital Line Card
FA-AN-8	8 Port Analog Line Card
FA-FXS-1	1 Port Analog Extension Module
FA-FXS-4	4 Port Analog Extension Module
FA-FXO-1	1 Port CO Line Module
FA-FXO-4	4 Port CO Line Module
ST-HD-8500	Storage for Voice Mail and Call Recordings: approx 8500 hours

Hardware Specifications

Option	Description
Power Input	AC 110V~264V
Operating Temperature	0~45°C
Chassis Construction	Heavy Duty Metal
Operating Shock	1 g/ 5 ~ 500Hz/ Random Operation (HDD)
Operating Vibration	MIL-STD 810.5F
Weight (Net/Gross)	2.9kg / 4.2 kg
Dimensions (D x W x H)	249mm x 198mm x 83mm
Mounting	Wall Mount, Desktop