

FA120 IP PBX

The FA120 is a rack mount system designed for medium capacity environments. The FA120 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 FA120 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 | Conference Bridging |
| 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 |
| 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 |
| Allows direct connection of Asterisk PBX | Voice-over IP |

Supported Protocols and Codecs

Traditional Telephony

| | |
|-----------|-----------------------------------|
| FXS & FXO | Loopstart, Groundstart, Kewlstart |
|-----------|-----------------------------------|

Voice over IP

| | |
|--------------------------------|-----------------------------------|
| H.323 | SIP (Session Initiation Protocol) |
| IAX2 (Inter-Asterisk Exchange) | |

Codecs

| | |
|----------------------------|-----|
| G.711 (A-Law & μ -Law) | GSM |
| Speex | |



System Capacity (Max.)

| Item | Maximum |
|-----------------------------|-----------------------------------|
| Number of Concurrent Calls | 60 |
| Number of Extensions | 240 |
| Number of Analog Ports | 24* |
| Number of PRI (E1/T1) Ports | 2 (up to 60 Concurrent PRI Calls) |
| Number of Telephony Ports | 60 (2 x E1 PRI) |

* Additional Ports with Channel Bank Units

Options

| Option | Description |
|---------------|--|
| FAO:LM-BRI-1 | 1 Port ISDN-BRI (2 Channels) Digital Line Card |
| FAO:LM-PRI-1 | 1 Port ISDN (30 Channels) Digital Line Card |
| FAO:LM-PRI-2 | 2 Port ISDN (60 Channels) Digital Line Card |
| FAO:LM-FXO-4 | 12 Port Analog Line Card with 4 CO (PSTN Line) Modules |
| FAO:LM-FXO-8 | 12 Port Analog Line Card with 8 CO (PSTN Line) Modules |
| FAO:LM-FXO-12 | 12 Port Analog Line Card with 12 CO (PSTN Line) Modules |
| FAO:MO-FXO-1 | 1 Port CO (PSTN Line) Module |
| FAO:MO-FXS-1 | 1 Port Analog Extension Module |
| FAO:ST-8500 | Storage for Voice Mail and Call Recordings: approx 8500 hours |
| FAO:ST-17000 | Storage for Voice Mail and Call Recordings: approx 17000 hours |

Hardware Specifications

| Option | Description |
|------------------------|---|
| Power Input | AC 110V~220V |
| 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) | 5.8kg / 8.3 kg |
| Dimensions (D x W x H) | 352mm x 430mm x 44mm |
| Mounting | Rack Mount, Wall Mount, VESA 100 with Mount Kit |