



Odin TeleSystems Inc.

*Open Telecom for
Open Minds*

Odin TeleSystems Inc proudly presents the innovative Alvis-PBX system designed to meet and exceed most requirements for a flexible and feature-rich PBX. Alvis-PBX is a perfect PBX choice for small and medium-sized businesses that needs cost-effective and reliable high-speed telephone exchange service.

Although Alvis-PBX is small in size, it provides features and services similar to much larger systems. It is fully compatible with Asterisk® open-source telephone systems, however it does not require a PC to run. It is a completely stand-alone Asterisk® compatible PBX system.

Alvis-PBX works with most IP phones and it supports traditional corporate PBX functionality (call transfer, call hold, call waiting, call parking, caller ID, etc.) as well as advanced PBX functionality (Call Center, Teleconferencing, Voice Mail, Speed Dial, Redial, Callback, etc.).

The all-in-one Alvis-PBX solution provides inter-operability with a number of VoIP streaming applications essential for a soft-switch, media gateway, transcoding or SS#7 system. It supports the E1/T1 ISDN PRI telephony interfaces for interconnection to digital lines and channel banks.

So for the best in Asterisk-based stand-alone PBX systems, the Alvis-PBX delivers economy, value, and performance.

Alvis-PBX



Asterisk® ISDN PRI Appliance


Feature Highlights

- Fully compatible with both 1.4 and 1.6 versions of Asterisk® Open Source PBX software
- Texas Instruments DM6443 dual core processor with 4752 DSP MIPS and 297 MHz ARM9 processing power
- 256 MB DDR2 memory, 4GB SD card, and 128 MB NAND flash memory
- Zero or Two ISDN PRI (T1/E1) interfaces
- MontaVista Linux on ARM core
- ISDN PRI and SS7 digital communication protocols.
- Supports full E1/T1 channel capacity utilization for Native Bridging or SIP calls
- USB 2.0 port for expandability
- Supports full E1/T1 capacity utilization for Native Bridging or SIP call
- SD-card storage for voicemail, recordings and voice prompts
- Straightforward software updates using apt-get rpm packages
- Green fan-less system, built-in temperature sensor, hardware watchdog, Real-time Clock
- Desktop, wall-mount, or 19" rack-mount enclosure
- SNMP traps and monitoring



Dual unit 1U rack-mount enclosure

Alvis-PBX Product Brief

Applications			
<i>Provides applications capabilities for the following:</i>	<ul style="list-style-type: none"> • PBX, fully compatible with Asterisk® Open Source PBX software 		
Technical Specifications			
<i>Board Connectors</i>	<ul style="list-style-type: none"> • One RJ-45 10/100 Ethernet connector • 0 or 2 E1/T1 RJ-45 connectors • Serial port connector (console) • USB connector 		
<i>Data Interfaces</i>	<ul style="list-style-type: none"> • 10/100 Ethernet interface • USB 2.0 interface • Zero or two ISDN PRI (T1/E1) interfaces 		
<i>T1/E1 Frame Formats</i>	<ul style="list-style-type: none"> • Doubleframe, CRC Multiframe (E1 mode) • F4, SF (or D4), ESF (or F24), SLC96 (T1/J1 mode) 		
<i>T1/E1/J1 Line Codes</i>	<ul style="list-style-type: none"> • HDB3, B8ZS, AMI, AMI with ZCS 		
<i>DSP core and ARM9 Resources</i>	<ul style="list-style-type: none"> • DSP Core: 4752 MIPS (C64x+) per processor • ARM9 Core: 297 MHz per processor 		
<i>Memory</i>	<ul style="list-style-type: none"> • 256 MB SDRAM (shared by DSP and ARM9 cores) • 128 MB Flash memory • SD-card slot populated with a 4GB SD card 		
<i>Configuration Interface</i>	<ul style="list-style-type: none"> • Asterisk command line interface and configuration files • Software updates using apt-get rpm packages from packages.odintts.com • Montavista Linux tools 		
<i>Debugging Interface</i>	<ul style="list-style-type: none"> • Serial port connection allows full access to ARM9 core 		
<i>Physical Dimensions</i>	<ul style="list-style-type: none"> • Desktop and wall-mount enclosure: 5" x 7" (1.75" height). • Rack-mount enclosure: 19" x 8" (1U) 		
<i>Power Requirements/Environmental Data</i>	<ul style="list-style-type: none"> • Power (5V) is supplied via external power supply (110 - 230 VAC) • Power consumption: 3W with no USB devices connected (Alvis-0-PBX) • Temperature: operating, 0o C to +50o C; non-operating, -40o C to +60o C • Humidity: operating, 5% to 80% RH (%relative humidity) at up to +30o C, and 5% to 30% RH above +30o C up to +50o C non-condensing; non-operating, 5% to 80% RH at up to +30o C, and 5% to 30% RH above +30o C up to +50o C non-condensing • Altitude: operating, up to 4,600 meters (15,333 feet); non-operating, up to 12,192 meters (50,000 feet) 		
Ordering Information			
<i>Product Name / Product Category</i>	<ul style="list-style-type: none"> • Alvis-0-PBX: HAA-1090-1 (1 Ethernet port + 1 USB) • Alvis-2-PBX: HAA-1090-2 (2 E1/T1s + 1 Ethernet port + 1 USB) 		
Contact Information			
<i>For more information on the Alvis-PBX, please contact:</i>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"> Odin TeleSystems Inc. 800 E. Campbell Road, Suite 334 Richardson, TX 75081-1873 USA </td> <td style="width: 40%; vertical-align: top;"> Tel: +1-972-664-0100 Tel: 1-888-ODINTSM Fax: +1-972-664-0855 Email: info@odinTS.com Web: www.alvispbx.com </td> </tr> </table>	Odin TeleSystems Inc. 800 E. Campbell Road, Suite 334 Richardson, TX 75081-1873 USA	Tel: +1-972-664-0100 Tel: 1-888-ODINTSM Fax: +1-972-664-0855 Email: info@odinTS.com Web: www.alvispbx.com
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