



Product Release Bulletin

Product Name: **XR1000/XR2000/XR3000/XE2000/XE3000 Servers** Date: 23-Feb-2012

PID: XR1-nn, XR2nnn, XR3nnn, XE2nnn, XE3nnn Number of Pages: 3

Hardware Description

Part Name	XR1000	XR2000/XE2000	XR3000/XE3000	Notes
PC Mother Board	ITX-M42X61E	D525MW	DG41WV	
CPU	Intel Atom D425 1.8 GHz	Intel Atom D525 1.8 GHz	Intel E8400 or Q9550	
RAM	DDR3, 1 GB	DDR3, 1 GB	DDR3, 1 GB (4 GB for XE)	
Hard Disk	SSD 8 GB	SATA 250 GB	SATA 250 GB	
RAID-1 (option)	N/A	Available	Available	

Software Description

Name	Version	Notes
Elastix	2.2.0	
FreePBX	2.8.1-10	
Kernel	2.6.18-238.12.1.el5	
dahdi	2.5.0.2.svn.r10467-1	
Asterisk	1.8.9.1-1	
Libpri	1.4.12-0	
xr2-panel (LCD panel software)	1.4-3	
freepbx-module-zapauto	0.7.7-2	
twinstar_addon	1.03-0	

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The software changes are presented relative to the previous official Xorcom Asterisk appliances software release SB12 dated April 21, 2011.

Bug Fixes

- In certain circumstances the Linux kernel panic occurred during conference call establishment. Fixed.
- A maximum of nine Astribanks listed in the `xpp_order` file were handled by the `dahdi_registration` utility. As a result, it was impossible to define the DAHDI spans registration order in systems that included more than nine Astribanks. Fixed.
- In systems that included Astribanks with HWEC and Astribanks without HWEC, some DAHDI spans were not registered after the server and an Astribank with HWEC were “cold started”. Fixed.
- When only E1/T1 or FXO Astribanks were connected in TwinStar systems the DAHDI spans were not registered. Fixed.
- Pulse digit was mistakenly detected after hook flash on FXS ports. Fixed.
- HWEC did not work if the number of licensed channels was either 64 or 128. Fixed.
- Some old analog telephone models did not ring. The `ring_trapez` parameter was added to the `xpd_fxs` module. When it is set as 1 then the FXS port will produce the ringing signal in the trapeze form. This signal provides more energy to the telephone and therefore it will.

Changes

- ✧ Elastix 2.2 is now pre-installed.
- ✧ Fail2ban is pre-configured for Asterisk and detection of SSH brute force attack messages.
- ✧ Starting with DAHDI 2.5, if HWEC is installed then it will be used automatically (regardless of the settings in the `system.conf`). If the previous behavior is preferred, set the parameter `hwec_overrides_swec=0` in the `dahdi` module configuration. For example, in the `/etc/modprobe.d/dahdi.conf` use:

```
options dahdi hwec_overrides_swec=0
```



Table of Xorcom Rapid Recovery Images

Image Name	Server Model
XR1-Atom-SB14-2012-Feb-20	XR1000, ITX-M42X61E
XR23-Universal-SB14-2012-Feb-20	The following models that have a single hard disk: XR2000/XE2000, Intel D525MW XR3000/XE3000, all models
XR23-RAID-Universal-SB14-2012-Feb-20	The following models that have RAID1 disks: XR2000/XE2000, Intel D525MW XR3000/XE3000, all models
TW-XR23-RAID-Universal-SB14-2012-Feb-20	The following TwinStar models that have RAID1 disks: XR2000/XE2000, Intel D525MW XR3000/XE3000, all models

	Name	Signature	Date	Notes
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