Blue Steel X Enterprise-Grade CompletePBX Telephony System Data Sheet

The Blue Steel 4000 (CXW4000) is a heavy-duty PBX system featuring the Xorcom CompletePBX 5 operating systems, for demanding use cases such as call centers, enterprise customers and high-density systems. Equipped with an Intel Xeon processor E-2434 12MB Cache running at 3.40 GHz, two NVMe PCIe Gen4 SSD drives, and two built-in redundant power supplies, the CXW4000 offers robust performance. Within its compact 19" 1U chassis, the CXW4000 can accommodate up to 16 analog ports, eight BRI ISDN ports, and four E1/T1 PRI, T1 CAS, or E1 R2 ports.

To further expand its capabilities, external Astribank units can be connected via USB ports, enabling support for up to 960 PSTN/analog phone ports, 24 E1 R2 / T1 PRI ports, up to 3,000 users, and 1,350 concurrent calls. Alternatively, IP gateways can be utilized to connect analog phones. This flexibility allows for customized configurations tailored to specific communication needs.

Features

- Unlimited voicemail boxes, hunt groups, call center groups, and auto attendants (IVRs)
- Basic built-in call center with call recording, barge and whisper
- Hot-desking
- Sophisticated Classes of Service for enhanced security
- Emergency notification module
- Endpoint manager
- User-friendly Web interface
- Interface in different languages
- CDR (Call Details Record)
- TDM/SIP/IAX trunks
- Remote extensions
- Voicemail

- Voicemail to email
- Web access to voicemail
- Fax support
- Fax to email
- IVR menu system
- Ring groups
- Call queues
- Conference rooms
- Follow me
- Time-based routing
- Advanced dialing rules
- Music-on-hold
- Paging and intercom
- Admin status screen
- Package manager (for easy updates)
- Network settings tool

Software

Management Interface	Xorcom CompletePBX
Linux version	Debian 12
Framework	Asterisk
Security	Intrusion protection software; firewall protection
TwinStar Plus™ (optional)	High availability solution for CompletePBX systems

Hardware

Processor	Intel Xeon E-2434 12MB Cache (3.4 GHz)
RAM	16GB, DDR5 ECC
Storage	2 x 500 GB NVMe PCIe Gen4 SSD (RAID1)
IPMI	Intelligent Platform Management Interface (IPMI)
RAID1	Dual NVMe SSD for increased system reliability
Cooling	Variable speed fan array
Echo Cancellation Module	Voice enhancement & echo cancellation (optional)
USB	4 on the rear panel and 1 on the front panel

Telephony

Maximum number of concurrent calls	1,350 (SIP only); 750 (PRI + FXS)
Number of users	2,000 (default license) - 3,000
Maximum number of built-in analog ports	16 (additional ports with external Astribank units)
Number of built-in E1 / T1 ports	4 (up to 120 concurrent PRI/R2/CAS calls)
Max. telephony modules supported internally	2 (additional ports are supported by adding Astribanks and/or IP gateways)
Maximum number of telephony ports supported internally	128 (4xE1 PRI/R2/CAS + 8 analog ports)
Supported Xorcom telephony modules	• 8 ports FXS • 8 ports FXO • Up to 4 ports PRI/R2/CAS • Up to 8 ports BRI ISDN

Power

Power supply	Two internal, redundant, hot-swappable units
Voltage	Auto-adjust 100/240 Volts, 50/60 Hz
Power consumption	230 Watts (maximum) 80 W (Typical)
Built-in grounding connection	✅

Network

Ethernet port - standard	4 x 10/100/1000 Mb/s

Maintenance and Support

- LCD (Liquid Crystal Display) touch panel, supporting:
  - Status of active systems, including:
    - All configured IP addresses
    - TwinStar™ (dual-server redundancy)
    - Redundant Power Supply (when configured)
    - Blink ports (extensions, channels, XPD and SPAN)
    - Active calls
    - RAID status
  - Maintenance issues, including:
    - Asterisk restart
    - DAHDI restart
    - Server reboot
    - Server power off
    - Email alerts (RAID, Power supply and other issues)
  - Settings, including:
    - Enable/disable DHCP
    - Manual IP configuration
- Monitor and keyboard support
- Internal backup & restore utility
- External Rapid Recovery™ backup utility (provided on disk-on-key)
- Software updates

Environment

Storage temperature	-20° to 70° Celsius (-4°-158° F)
Working temperature	0° to 40° Celsius (32°-104° F)
Humidity	20%-95%, non-condensing

Dimensions and Weight

Weight	5.1 Kg (11.2 lbs)* * May vary slightly, depending on configuration
Size	19" 1U industry standard rack-mountable chassis
Dimensions	44.2 x 44.2 x 4.45 cm (17.4 x 17.4 x 1.75")

Specifications may change without prior notice.