**System Specifications:**

- **Operating systems:** DOS, Windows 3.x, Windows 9x, Windows Me, Windows NT 4.0, Windows 2000, Windows XP, Windows 2003 Server and later, Linux, UNIX, HP-UX, QNX, SGI, FreeBSD, BeOS, Open VMS, Novell 3.12-6, Solaris, Java Desktop System
- **Resolution:** 1600 x 1200 @ 75Hz
- **User to server distance:** 200m / 660ft
- **System Cable:** CAT5, CAT6, CAT7
- **Operating temp.:** 0ºC to 40ºC / 32ºF to 104ºF
- **Storage temp.:** -40ºC to 40ºC / -40ºF to 104ºF
- **Security:** Password, multiple-user profiles
- **Management:** AIM (Advanced Integrated Manager), RS-232 Control software
- **Mouse Support:** PS/2, Wheel mouse, Trackball mouse, Microsoft IntelliMouse
- **Warranty:** 3 Years

**DX Options**

- **POWER TOWER**
- **RICC**
- **PS/2**
- **X-RICC**
- **RS-232**
- **X-RICC**
- **SUN**
- **X-RICC**
- **PS/2**
- **X-RICC**
- **LEGACY KVM SWITCH DX-CENTRAL**
- **X-RICC**
- **SPECTER DX**
- **SPECTER PS/2**
- **SPECTER SUN**
- **SPECTER USB**
- **ROUTER**
- **CAT5/6/7**

**Cables/Connectors**

- **DX Central Unit:** Computer Ports - 48 RJ 45
  - Serial Ports - 2 x DB9
  - LVR - RJ5
- **DX User Unit:** System - PS/2
  - Local Console and CPU
  - Video - HD15
  - Keyboard (Mouse - PS/2)
  - Video - HD15
  - Serial - 2 x DB9
  - Power - 2xUSB (Future Application)
- **Rack Mountable:** Yes

**Dimensions:**

- **DX Central Unit:** 43.2x207x400 (17x8.1x16")
- **DX User Unit:** 43.2x207x400 (17x8.1x16")
- **Power Consumption:** 2xUSB (Future Application)
- **Server to DX Central Distance:** 1000m (3300 ft)

**Cables/Connectors**

- **X-RICC PS/2:** System - PS/2
  - Video - HD15
  - Keyboard (Mouse - PS/2)
  - Power - Jack
- **DX User (2:1):** System - PS/2
  - Video - HD15
  - Keyboard (Mouse - PS/2)
  - Power - Jack
- **Dimensions:** 246x342x157 (9.7x13.5x6.2")

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In today's server environments IT managers are faced with increasingly elaborate hardware mixes, high-density rack installations, as well as complex server and user profiles, and the need for 24/7 uptime and maximum scalability. These complexities call for a comprehensive and unified management system – a system that is more than just another KVM switch. Minicom answers this call, and presents the innovative DX matrix system, designed for advanced multi-functional, unified out-of-band management based on state-of-the-art CAT5 technology.

The DX matrix system combines four major functions in one unified solution:
- KVM switching and control
- Serial control
- Power management
- User management

The DX system unifies these four functions using AIM
AIM (Advanced Integrated Manager), is a LINUX based, innovative embedded program that supplies advanced management functionality in a hardware-only solution. AIM combines the management of all four major functions within a single intuitive, Windows-like interface, for truly unified administration of your server environment.

The DX matrix system gives you a highly secure, integrated, flexible and supremely scalable solution for 24/7 BIOS-level control and management of high-density mission critical server environments through:
- Unified, One-stop, local and remote control
- Revolutionary embedded management functionality in a pure hardware solution.
- High-level security.
- Multi-functional, multi-user, multi-platform matrix solution.
- Seamless cascading.
- State-of-the-art CAT5 all-the-way technology.
- Maximum business value & ROI.

One-stop Local and Remote Control
The DX system manages all KVM and Serial equipment centrally, eliminating redundant management effort, and saving you time and money in your corporate high-density server environment. And through flexible remote IP access, the DX system enables you to control your server installation from anywhere in the world, at any time, further reducing overhead and administration costs.

Powerful Management
Minicom revolutionizes out-of-band management with the power of AIM. Using AIM, your server environment benefits from out-of-band BIOS-level access combined with advanced management functionality in a pure hardware solution. AIM enhances and simplifies your administration capabilities through:
- Intuitive, Windows-like GUI replacing the traditional OSD.
- Comprehensive management of all KVM and Serial hardware in the data center.
- Multi-layer user administration.
- Multi-layer security access control.

Multi-Functional, Multi-User and Multi-Platform
The growing server environment and its ever-increasing data requirements call for a clutter-free, powerful and centralized multi-functional matrix solution. The DX matrix system is the optimal solution for the server environment challenge, meeting today's needs and preparing for future scalability. Features include:
- Non-blocking control of multiple users for thousands of servers.
- Integrated multi-platform support: PS/2, SUN, USB and RS232.
- Flexible remote IP access: fit the IP mix to your needs and add IP users as your business grows.
- Built-in local computer access at every user station.
- CAT5 all-the-way technology, from server to user.

Seamless Cascading
The DX system’s seamless cascade of additional switch layers allows you to add multiple servers that are monitored and controlled from the same interface, regardless of their physical connection. Minicom’s embedded AIM solution automatically recognizes the additional layers of DX systems, streamlining setup of additional switches. There is no single point of failure - system settings and parameters are saved on all DX central units. With seamless cascading, your DX system grows with your needs while keeping the same straightforward management approach.

High-Level Security
Security is key to your server environment's performance. The DX system’s multiple layer security protection with user-name and password authentication includes up to 32 user profiles for hundreds of users, and 4 levels of user access rights for increased protection. In addition, DX’s innovative technology includes double authentication of access rights through port and server recognition, for an exceptionally secure system.
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Application Diagram
**System Specifications:**

- **Operating systems:** DOS, Windows (3.x, 9.x, ME, NT4, 2000, XP, 2003 Server and later), Linux, UNIX, HP-UX, QNX, SGI, FreeBSD, BeOS, Open VMS, Novell 3.12-6, Solaris, Java Desktop System.

- **Resolution:** 1600 x 1200 @ 75Hz.

- **User to server distance:** 200m / 660ft.

- **System Cable:** CAT5, CAT6, CAT7.

- **Operating temp.:** 0ºC to 40ºC / 32ºF to 104ºF.

- **Storage temp.:** -40ºC to 40ºC / -40ºF to 104ºF.

- **Security:** Password, multiple-user profiles.

- **Management:** AIM (Advanced Integrated Manager), RS-232 Control software.

- **Mouse Support:** PS/2, Wheel mouse, 5-button mouse, Microsoft IntelliMouse.

- **Warranty:** 3 Years.

**Cables/Connectors**

- **DX Central Unit:**
  - Computer Ports: 32 RJ45
  - Serial Ports: 2 x DB9
  - L&R - RJ45
  - Power

- **DX User Unit:**
  - System - PS/2
  - Local Console and CPU
  - Video - HD15
  - Keyboard/Mouse - USB
  - Serial - 2 x DB9
  - Power - 20/24V (Future Application)

- **Server to DX Central Distance:**
  - 10m/33ft
  - 100m/330ft

**Power Consumption**

- **DX Central Unit:** 5VDC 2A
- **DX User Unit:** 5VDC 2A
- **Server:** 5VDC 2A

**Rack Mountable**

- Yes

**Dimensions**

- **DX Central Unit:**
  - 43.2x27x4cm / 17x11x1.6"
  - 21.6x27x4 / 8.5x11x1.6"
  - 43.2x27x4 / 17x11x1.6"

- **DX User Unit:** 26x91x41mm / 1.05x3.58x1.77"
  - 9x91x41 / 0.35x3.58x1.77"

**Power Supply**

- **DX Central Unit:** Front Panel, Internal Power Adapter
- **DX User Unit:** Internal Power Adapter

**Product & Order No.:**

- DX 432 Central Unit: 0SU60002
- DXU - 0SU60001
- X-RICC PS/2: 0SU51059
- X-RICC SUN: 0SU51051
- RICC PS/2 for DX system: 0SU51066

- DX 8x32 Central Unit: 0SU60003
- DXU - 0SU60004
- X-RICC USB: 0SU51050
- X-RICC RS232: 0SU51052
- DX server Direct: 0623018

**DX Options**

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- **DX User (2:1)**
- **X-RICC**