

# KVM SOLUTIONS FOR A NETWORKED WORLD

## MINICOM **DX MATRIX System**

The Superior KVM and  
Serial **Control** solution  
for **Secure** and **Unified**  
**Management** of your  
servers and users

**MINICOM**  
[www.minicom.com](http://www.minicom.com)

## The Minicom DX Matrix System

# YOUR SOLUTION FOR CENTRALIZED KVM & SERIAL MANAGEMENT

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.

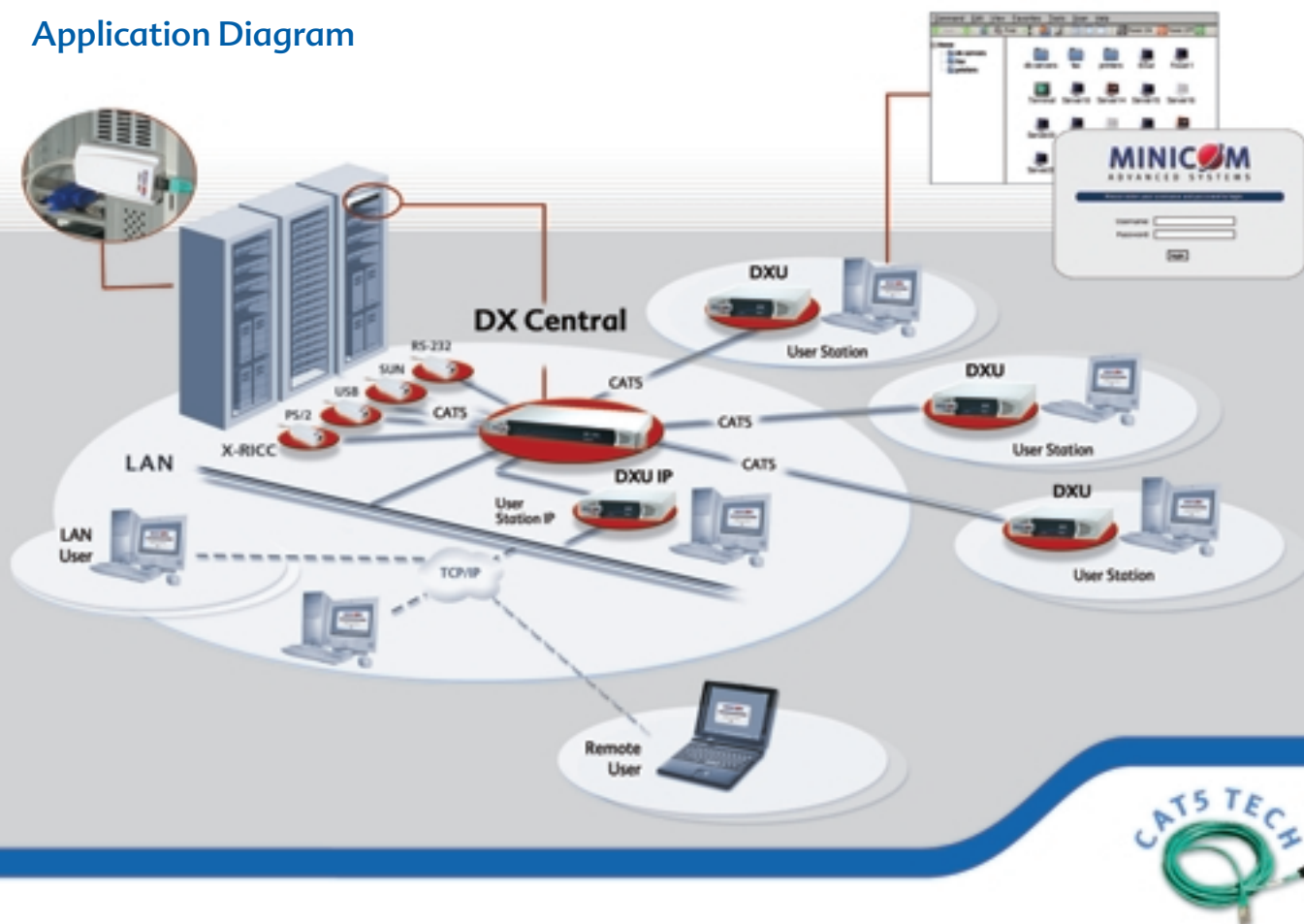
The DX matrix system gives you a highly secure, integrated, flexible and supremely scalable solution for 24/7 BIOS-level control and management of high-density mission critical server environments through:

- 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.

## Application Diagram



### 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-level 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.
- Mixed 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.

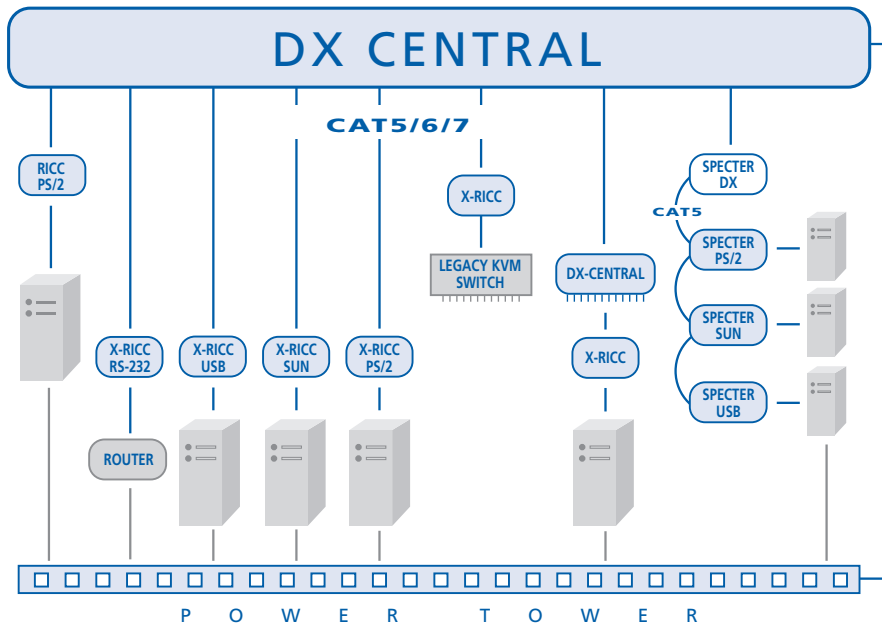
### Seamless Cascading

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.

## DX Options



### System Specifications:

<b>Operating systems</b>	DOS, Windows (3x, 9x, 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
<b>Resolution</b>	1600 X1200 @ 75Hz
<b>User to server distance</b>	200m/660ft
<b>System Cable</b>	CAT5, CAT6, CAT7
<b>Operating temp.</b>	0°C to 40°C / 32°F to 104°F
<b>Storage temp.</b>	-40°C to 40°C / -40°F to 104°F
<b>Security</b>	Password, multiple-user profiles
<b>Management</b>	AIM (Advanced Integrated Manager), RS-232 Control software
<b>Mouse Support</b>	PS/2, Wheel mouse, 5-button mouse, Microsoft intellimouse
<b>Warranty</b>	3 Years

	DX Central Unit	DX User Unit	DXU IP
<b>Cables/Connectors</b>	Computer Ports-32 RJ 45 Users Port - 4/8 RJ45 Serial Ports - 2 X DB9 LAN - RJ45 Power	System - RJ45 Local Console and CPU KVM + Serial Video - HDD15 Keyboard / Mouse - MiniDin6 Serial - 2 X DB9 Power 2XUSB (Future Application)	LAN - RJ45
<b>Rack Mountable</b>	Yes		
<b>Dimensions</b>	43.2x27x4cm / 17x11x1.6"	21.6x27x4 / 8.5x11x1.6"	43.2x27x4 / 17x11x1.6"
<b>Power Consumption</b>	100-250 VAC 50/60 Hz		

	RICC PS/2	X RICC PS/2	X RICC SUN	X RICC USB	X RICC RS232
<b>Server to DX Central Distance</b>	10m/33ft	100m/330ft			
<b>Cables/Connectors</b>	System - RJ45 Video - HDD15 Keyboard/Mouse				Power - Jack
	MiniDin6	MiniDin8	USB		
<b>Rack Mountable</b>	Yes				
<b>Power Supply</b>	From Keyboard		From USB		Power Adapter
<b>Dimensions</b>	24x91x41mm / 0.94x3.58x1.61"	24x91x41mm / 1.05x3.58x1.77"			

DX 4x32



DX 8x32



DX User (2:1)



X-RICC



**MINICOM**  
www.minicom.com

#### International HQ

Jerusalem, Israel  
Tel: +972 2 535 9666  
Fax: +972 2 535 9693  
minicom@minicom.com

#### North American HQ

New Jersey, USA  
Tel: (toll free) 888 486 2154  
Tel: +1 908 486 2100  
Fax: +1 908 486 7788  
info.usa@minicom.com

#### Europe HQ

Dübendorf, Switzerland  
Tel: +41 18238000  
Fax: +41 18238005  
info.german@minicom.com

#### Italy

Rome, Italy  
Tel: +39 06 820 97902  
Fax: +39 06 820 97903  
info.italy@minicom.com

Authorized Reseller: