

Model I844x Series I/Port (I8440 & I8442)

Virtual Desktop Thin Client Over Ethernet

The I844x series I/Ports provide all the benefits of a standard PC with no noise and require less space. The I844x can connect to any ClearCube PC Blade over a standard Ethernet infrastructure that includes routers, switches, hubs and media converters. This means the distance between a PC Blade and the desktop can be unlimited. This eliminates the need for bulky, power hungry, unsecure, traditional desktop PCs.

The I844x Series I/Port reduces operating costs, simplifies manageability, maximizes uptime, and enhances security. The full benefits of Windows® operating systems can be experienced from a virtualized desktop infrastructure. Alternatively, an I844x desktop unit can be connected to a dedicated datacenter PC blade for users who need the full power of a Quad-Core Intel® Xeon® processor. The I844x series is designed into a small form-factor to save space on a user's desk.

The ClearCube Sentral™ I/Port agent is included with every I844x series I/Port. The I/Port is part of a fully managed centralized desktop solution when used with Sentral server, providing user- and device- based dynamic allocation, asset management, and device health monitoring.

Highly Flexible, Optimal Quality

I844x series I/Ports are flexible, simplifying deployment in the complex world of enterprise computing. I844x series thin clients leverage Microsoft RDP and Citrix® ICA technologies to break the distance barrier, delivering a high-end PC experience via the network for one or two monitors as well as options for an internal wireless connection and an internal smart card reader. The I844x series I/Port is a flexible solution that can be configured with a variety of memory, graphics, and peripherals options.

Each I844x provides dynamic connectivity using ClearCube Sentral management software and ClearCube PC Blade products. This combination delivers the award-winning ClearCube centralized computing solution, enabling administrators to mix and manage PC blades and virtualized configurations from anywhere, regardless of employee location.

Simple Installation, Secure Hardware, Easy Management

I844x I/Ports require no special OS drivers for the host desktop and have no moving parts that can fail. The units easily connect all standard peripherals including multiple monitors, keyboards, mouse devices, audio input/output devices, and many other USB peripherals. The I/Ports come with Citrix ICA, Integrated Microsoft RDP, Internet Explorer®, Ericom terminal emulation, Windows Media® Player, Acrobat® Reader® and ClearCube Sentral applications pre-installed.



I8440 Front View

Benefits

- Low power consumption to reduce heat and operating expenses
- Compact form factor with integrated power supply to reduce the desktop foot print
- Centralizes PC resources in a single, secure location to increase security of physical and data assets
- Fully managed from user port to PC blade using ClearCube Sentral management software to dramatically reduce management costs and complexity
- Industry standard connection protocol compatibility with Microsoft RDP and Citrix ICA.



DATA SHEET

Specifications

Dimensions:	9.0 inches H x 2.0 inches W x 8.9 inches D (22.9 cm x 5.1 cm x 22.6 cm)
Processor:	Via C7 1 GHZ [®]
Operating System:	XPe and embedded Linux [®]
System Memory:	Minimum 512 MB (expandable up to 1 GB)
Integrated Flash:	Minimum 512 MB (expandable up to 2 GB)
Distance:	Unlimited (performance varies with network latencies)
Video:	I8440 - One monitor at 32-bit color depth 1024 x 768 @ 60 Hz (16 bits supports 1600 x 1200) I8442 - Two monitors at 32-bit color depth and up to 1920 x 1200 @ up to 60 Hz (optional)
Connections:	Four USB ports (two on front and two on back) I8440 - One VGA video port I8442 - Two video ports (one VGA, one DVI-D) One parallel port and two serial ports Audio out and audio in (RDP does not support audio in) I8440 - 10/100 Mbps RJ-45 Ethernet I8442 - 10/100/1000 Mbps RJ-45 Ethernet Optional internal 802.11b/g wireless LAN Optional internal smart card reader
Power Supply:	Integrated, Universal 100-240 VAC, 50-60Hz, less than 11 W (typical)
Environment:	Operating temperature: 0 ^o to 40 ^o C Storage temperature: -10 ^o to 60 ^o C

Ordering Information

Use the following part numbers to order your I844x series I/Ports:

G0900045 – Model I8440 I/Port – Single Monitor
G0900046 – Model I8440 I/Port – Single Monitor TAA
G0900043 – Model I8442 I/Port – Dual Monitor/Gig Ethernet
G0900044 – Model I8442 I/Port – Dual Monitor/Gig Ethernet TAA

Memory (Required)

G0800036-512 – 512 MB RAM
G0800036-1000 – 1 GB RAM

Flash Memory

G0800037-512 – 512 MB Flash Memory
G0800037-1000 – 1 GB Flash Memory
G0800037-2000 – 2 GB Flash Memory

Embedded OS

G0530006 – XP Embedded
G0530012 – Linux (for connection management only, Host-OS is XP or Vista)

Options

G0800039 – Internal Wireless
G0800040 – Internal Smart Card Reader

Accessories

G0600035 – I844X I/Port Power Cord – NA
G0600036 – I844X I/Port Power Cord – Euro
G0600037 – I844X I/Port Power Cord – UK

G0400051 Rev B