

## ClearCube® Technology I8520 Thin Client



### Featuring Intel® Atom™ Processor

The I8520 thin client provides all the benefits of a standard PC with no noise, less heat, and significantly smaller space, energy, and cooling requirements. The I8520 reduces operating costs, simplifies resource deployment and management, maximizes uptime, and enhances security. You can now experience all the benefits of a Microsoft® Windows® operating system or Linux® operating system from a remote or virtual desktop infrastructure at a fraction of the traditional cost.

### PC Features with Greater Flexibility

I8520 thin clients are flexible, simplifying deployment in the complex world of enterprise computing. I8520 thin clients leverage ClearCube PC-over-Ethernet™, Microsoft RDP, and Citrix® ICA technologies to break the distance barrier, delivering a high-end PC experience over a network for one or multiple monitors. Additional options include an internal wireless card and an internal smart card reader. The I8520 thin client is a flexible solution that can be configured with a variety of memory, graphics, and peripherals options.

### Simple Installation, Secure Hardware, Easy Management

I8520 thin clients use a modular design to simplify component installation and removal. The client supports all standard peripherals, including multiple monitors, keyboards, pointing devices, audio input/output devices, and USB peripherals.

Exceptional hardware and data security are intrinsic to thin client computing. Depending on thin client configuration, organizations can store all data on remote, secure hosts to ensure that no data is stored on thin clients. With an embedded operating system, thin clients use an Enhanced Write Filter to write-protect the operating system image. For increased security, thin clients can stream an OS to operate as stateless devices. An optional, internal smart card reader provides hardware-based user authentication for all I8520 users.

### Comprehensive Protocol Support

I8520s come with Citrix ICA, Microsoft RDP, Internet Explorer®, Windows Media® Player, and Acrobat® Reader® applications installed. Support for ClearCube Technology PC-over-Ethernet™ protocol (PCoE™) provides bidirectional audio (via USB) and USB redirection for nearly every USB device.

### Benefits

- Data and hardware security increased by removing local disk, minimizing opportunities for theft and misuse
- Increased security through an optional internal smart card reader
- Onboard Intel® 1.6 GHz Atom™ N270 processor provides low power consumption
- Low power consumption reduces heat and operating expenses
- Compact form factor reduces desktop footprint
- Centralized management software dramatically reduces management costs and complexity
- TAA compliant

## DATA SHEET

### Specifications

<b>Dimensions:</b>	9.1 inches H x 8.3 inches W x 2.24 inches D (23 cm x 21 cm x 5.7 cm)
<b>Mounting:</b>	Vertical or horizontal
<b>Processor:</b>	Intel® 1.6 GHz Atom™ N270 (Intel 945GSE and ICH7-M)
<b>Operating System:</b>	<ul style="list-style-type: none"> <li>• Microsoft® Windows Embedded Standard (XPe)</li> <li>• Microsoft® Windows Embedded Standard (7)</li> <li>• ClearCube Linux</li> </ul>
<b>System Memory:</b>	One SO-DIMM DDR2 667 MHz, up to 2GB
<b>Storage:</b>	<ul style="list-style-type: none"> <li>• One 50-pin CF socket</li> <li>• One 2*22-pin IDE port for DOM (<i>port unpopulated</i>)</li> <li>• One SATAII (Supports UDMA, DMA, SPIO) (<i>port unpopulated</i>)</li> </ul>
<b>Distance:</b>	Unlimited (performance varies with network latencies)
<b>Video:</b>	Integrated Intel® GMA950 graphics core, up to 1600 x 1200 resolution, 32-bit color
<b>Audio:</b>	1W internal speaker
<b>Expansion:</b>	One internal slot for PCI or PCI Express® (PCIe®) x1 card (for example, for Fiber NIC)
<b>Connections:</b>	<ul style="list-style-type: none"> <li>• Six USB 2.0 ports (two on front and four on rear)</li> <li>• Audio in and audio out</li> <li>• Two 10/100/1000 Mbps RJ-45 LAN ports</li> <li>• Optional wireless LAN (WLAN)</li> <li>• One DVI port</li> <li>• One VGA port</li> <li>• One serial port</li> <li>• One DC-in jack</li> </ul>
<b>Power Supply:</b>	External 48W Power Adapter
<b>Environment:</b>	<ul style="list-style-type: none"> <li>• Operating temperature: 0° to 35° C (32° to 95° F)</li> <li>• Storage temperature: -20° to 60° C (-4° to 140° F)</li> </ul>
<b>Other:</b>	<ul style="list-style-type: none"> <li>• TAA Compliant</li> <li>• Energy Star Certified</li> <li>• FIPS Supported Wireless Option</li> </ul>

### Ordering Information

Use the following part numbers to order ClearCube Technology I8520 thin clients and accessories.

<b>Base Model</b>	
GI8520	Model I8520 with NA Power Cord (Includes the following components) TAA Compliant
G0900070	Base I8520
G0530044	Windows Embedded Standard English OS 4GB Flash
G0530055	Windows Embedded Standard 7 English OS 4GB Flash
G928520-2000	2 GB DDR2-677 Non-ECC SODIMM I8520
G928520-1000	1 GB DDR2-677 Non-ECC SODIMM I8520
G928520-512	512 MB DDR2-677 Non-ECC SODIMM I8520
<b>Optional Components</b>	
G0900071	Fiber NIC I8520
G0900075	Wireless Card 802.11b/g FIPS Supported
G0800069	Smart Card I8520
G0970021	PC-over-Ethernet Software License
<b>Accessories</b>	
G0600029	C7420/I94x0/I8520 Power Cord - UK
G0600028	C7420/I94x0/I8520 Power Cord - Euro

G0400093 Rev E  
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