



# Dell Precision FX100

The Dell Precision™ FX100 is a true zero-client communication solution that uses PC-over-IP® technology to support scenarios ranging from mainstream office use to extreme workstation/visualization application use. The Dell Precision FX100 is the ideal platform for both the Virtual Remote Desktop and the Dedicated Remote Workstation solutions.

## Dedicated remote workstation

The combination of the Dell Precision FX100 and the Dell Precision R5400 Rack Workstation offers advanced, innovative and relevant technologies to overcome some tough traditional challenges – and succeeds where other solutions have struggled to deliver:

- Centralizing and accessing critical data and applications in a secure location
- Eliminating the need for workstation users to be in inhospitable or hazardous areas
- Enabling faster moves and changes as project teams are reassigned
- Retaining performance and other benefits of a standards-based workstation for remote users
- Addressing the distance limitations of traditional wired KVM solutions

## World-class architecture for world-class performance

The Dell Precision FX100 consists of a PCIe remote access host card housed in the host Dell Precision R5400 workstation and a remote portal device connected to the PCIe host card via standard networking. Communication is accomplished using the world-class PC-over-IP protocol, which can have many advantages. It is operating system and application agnostic, delivers the full capability of the graphics card housed in the host workstation, and offers full support for USB and audio. Using advanced compression algorithms and dedicated hardware acceleration to perform both encryption and compression, the Dell Precision FX100 delivers an outstanding remote user experience limited only by the network infrastructure. The portal device is a low power consuming, fanless, driverless and stateless device. The simplicity of this advanced approach eliminates the need to equip the remote user with a second client device (with second operating system, specialized drivers, graphics subsystem, etc.).<sup>1</sup>

## Virtual remote desktop

The Dell Precision FX100 is now also a key component of Dell's Virtual Remote Desktop Solution, designed for businesses that need to centralize client desktops while providing employees with the performance and flexibility of traditional PCs. Equipped with audio in/out, multiple USB and two DVI connections, the Dell

Precision FX100 enables flexible configurations, including support for up to two digital displays.

Forget about managing the client device. The Dell Precision FX100 Zero Client has no image to manage – literally, none. Instead, this innovative, firmware-based decompression device provides bi-directional communication with your VMware View-based<sup>2</sup> virtual PCs. Once the Dell Precision FX100 is installed, updates to the device are similar to BIOS updates on PCs: rare events, delivered as a single replacement package and secure from tampering or changes.

Developed specifically for the purpose of enabling a best-in-class remote user experience, and drawing on the best imaging, silicon and network techniques, the Dell Precision FX100 provides support for all the capabilities of a PC including USB, motion graphics and audio. The Dell Precision FX100 is designed to work over industry-standard IP networks in conjunction with VMware View.

## Zero PC and near-zero footprint

The Dell Precision FX100 is very small and consumes very little power. It is fanless, driverless and stateless – the ultimate in simplicity for devices that sit at the edge of the network, side-by-side with the users. The simplicity of this advanced approach eliminates the need to equip even remote users with a complex client device (with a full operating system, specialized drivers, graphics subsystem, etc.).



Feature	Dell Precision FX100 Technical Specifications
Remote Access Host Card	PCIe x1 card for host workstation 2 DVI-I ports 1 RJ45 jack for 10/100/1000 Mbps Ethernet
Portal Device	<ul style="list-style-type: none"> <li>• Remote power button (controls workstation host)</li> <li>• Disconnect button (disconnects portal and host card)</li> <li>• Built to run on standard 10/100/1000 BaseT Ethernet networks</li> <li>• Allows true, transparent USB bridging over IP networks</li> <li>• Same plug-and-play experience as local workstation</li> <li>• Provides flexible user authorization by allowing USB port disabling or filtering by device type or user profile</li> <li>• On-board audio controller connects to standard audio codecs</li> <li>• Requires supplied codec for Windows® XP</li> <li>• Operates in conjunction with any operating system and application</li> <li>• No modification or additional host drivers required</li> <li>• Management and media communication protected by secureSSL and IPsec</li> </ul>
Video	Two DVI-I ports with one DVI-I to VGA (DB-15) adapter supplied Video Control Display Data Control (DDC) for automatic setting of resolution and refresh rate
Video Resolution	Single DVI at 1920x1200 Dual DVI at 1600x1200
I/O Ports	4 USB 1.1 connectors — 2 front, 2 rear 1 audio mic-in jack — front 1 audio headphone out jack — front 1 audio line-out jack — rear 1 RJ45 jack for 10/100/1000 Mbps Ethernet
Portal Dimensions	Height 9.13" (232mm) Width 3.7" (94mm) Length 6.85" (174mm) Kensington® Lock port
Environmental	Environmental with humidity and temperature range: <b>Operating:</b> 0 to 35 (degrees C) 5% – 85%RH <b>Storage:</b> -40 to 60 (degrees C) 5% – 95%RH <b>Air Flow:</b> Natural convection — top down with side vents <b>BTU/hr:</b> At nominal 15W AC power operation ~52 BTU At full 25W AC power operation ~85 BTU <b>Sound Level (db):</b> 0 db — fanless with no moving parts
Power Consumption	12v DC 30 watts or less <b>Current at 115V:</b> 150mA (nominal) 10W (0.8A) DC nominal — using a 36W AC/DC adapter <b>Current at 200V:</b> 75mA (nominal) 2.5mm inside diameter and 6.5mm outside diameter 1 DC — in jack External power adapter with worldwide autosensing 100–240v VAC, 50/60 Hz support
Environmental & Regulatory	You can find additional safety <sup>3</sup> best practices information on the Regulatory Compliance Homepage on <a href="http://www.dell.com">www.dell.com</a> at the following location: <a href="http://www.dell.com/regulatory_compliance">www.dell.com/regulatory_compliance</a> Base 3-Year Limited Warranty with 3 years standard Next Business Day (NBD) On-Site Service <sup>4</sup> Recommended Dell ProSupport is designed to rapidly respond to your business' needs, protect your investment and sensitive data, and provide enhanced proactive support services to help reduce risk and complexity within your IT environment

## Learn more at [dell.com/Precision](http://dell.com/Precision)

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<sup>1</sup> Microsoft may require a Remote Desktop license for the FX100 under certain serial usage models. Please consult with Microsoft for details.

<sup>2</sup> VMware View™ 4 PCoIP® Hardware zero client support on the Dell FX100 requires PCoIP® firmware release 3.X

<sup>3</sup> For a complete copy of our guarantees and limited warranties, please write Dell U.S.A. L.P., Attention: Warranties, One Dell Way, Round Rock, TX 78682.

For more information visit [www.dell.com/warranty](http://www.dell.com/warranty)

<sup>4</sup> May be provided by third-party. Technician dispatched, if necessary, following phone-based troubleshooting. Availability varies. See [dell.com/servicecontracts](http://dell.com/servicecontracts) for details.

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