Dell™ Optiplex™ 745c

EXTENDING OS-ABSENT SYSTEMS MANAGEMENT CAPABILITIES

Dell™ Optiplex™ 745c

The Dell Optiplex 745c desktop is designed specifically for early adopters wishing to test out hardware management technology for the future. This business platform provides advanced OS-absent management capabilities built on Intel® Active Management Technology (iAMT) — bringing "server-like" hardware management capabilities to the desktop for the first time.

Intel Active Management Technology moves the management out of the operating system and into the hardware layer, allowing access to the client regardless of the state of the operating system. It promises robust automation, secure power control and out-of-band management capabilities that can help streamline asset inventory and enable remote troubleshooting and diagnosis to help reduce costly desk-side visits. This technology also offers the potential for improved security — including tamper-resistant agents and quarantining for compromised PCs helping improve network protection at the client level.

DRIVING INDUSTRY STANDARDS

Dell is committed to helping our customers simplify client systems management. A founder of the Distributed Management Task Force (DMTF) Desktop and Mobile Working Group (DMWG), Dell along with other key technology partners are working to drive standards-based OS-absent management. Driving standardisation of the management hardware and communication protocol will help ensure broad compatibility for hardware and software, which will enable richer usage models and low ownership costs. As a part of driving toward standardisation, a new industry specification is being published called the DASH (Desktop (Mobile) Architecture for Systems Management Hardware) which interoperates with the published standard, WS-Management protocol. This specification will help ensure that future solutions enjoy high levels of interoperability and simplify systems management.

Dell is optimistic about the future of extended OS-absent management and is introducing the Optiplex 745c. This proof-of-concept platform does not conform to DASH but is ideal for those wishing to explore the possibilities of advanced systems management as the technology matures.

Future Optiplex platforms will be designed to conform to DASH. At that point, wider-scale deployments of extended OS-absent systems management technology will be practical for more customers.

Dell™ Optiplex™ 745c

KEY FEATURE	OPTIPLEX 745c
Processor	Intel® Core™ 2 Duo 1066MHz FSB Socket T with Dual Core Technology XD, EM64T, 2MB and up to 4MB L2 cache and EIST[1] (E6000 series)
Chipset	Intel® Q965 Express with ICH8DO and support for Active Management Technology (iAMT 2.1)
Operating System	Dell Recommends Microsoft® Windows® XP professional SP2, Microsoft® Windows® XP Home SP2, Microsoft® Windows® XP 64, Microsoft® Windows Vista™ Home Basic[8], Microsoft® Windows Vista™ Business and Microsoft® Windows Vista™ Ultimate
Video	Intel GMA 3000 integrated graphics utilising up to 256MB of system memory; Optional DVI Adapter card, 128MB ATI Radeon™ X1300 (DVI w/ TV out), 256MB ATI Radeon™ X1300 Pro (Dual DVI or VGA via optional cable)
Memory	Four DIMM slots; Non-ECC dual channel shared[2] DDR[3] SDRAM - supporting 512MB to 8GB Supports 667 MHz up to 8GB Supports 800 MHz up to 4GB
Networking	Integrated Intel Gigabit Ethernet LAN solution 10/100/1000[4] with PXE support
Standard I/O Ports	9 USB 2.0 (2 front, 6 rear, 1 internal), 1 Ethernet (RJ45), 1 Serial (9-pin) (16550 compatible), 1 Parallel (25-hole, bi-directional), 1 VGA out (15-hole), 1 DVI-I out (USFF) 28-hole DVI connector, Optional add-in PS2 card with second serial port, 1 Stereo Line-in, 1 Microphone-in, 1 Speakers/line-out, 1 Headphone (front)
Hard Drive	SATA 3.0 GB/s HDD: 80GB[5], 160GB[5] at 7200RPM
CHASSIS	
Dimensions - in. (cm)	Minitower: 16.10 x 7.36 x 17.52 (40.89 x 18.69 x 44.50)
Power Supply	305W
PERIPHERAL OPTIONS	
Monitors and Flat Panel Displays	15" E157FP TFT Flat Panel, 17" E177FP TFT Flat Panel, 19" E197FP TFT Flat Panel UltraSharp™ 17" 1707FP TFT Flat Panel, UltraSharp™ 19" 1907FP TFT Flat Panel, UltraSharp™ 20" 2007FP TFT Flat Panel, UltraSharp™ 20" 2007FPW TFT Flat Panel, UltraSharp™ 24" 2407FPW TFT Flat Panel
Keyboard (105 keys)	Dell USB Entry QuietKey Keyboard, Dell USB Enhanced Multimedia, Keyboard, Dell Smart Card USB Keyboard
Mouse	Dell 2 Button Scroll USB Mouse, Dell Premium Optical 2 button scroll mouse
Speakers	Optional internal chassis speaker, Dell A225, Dell A525, Dell AS501 Flat Panel Speakers (Sound Bar), Dell AS501PA Flat Panel Speakers (Sound Bar)
STORAGE DEVICES	
Removable Media Storage Devices	USB Floppy Drive, DVD-ROM[9], DVD+/-RW[6], CD-RW/DVD Combo
SECURITY	
Security	Trusted Platform Module 1.2 (TPM 1.2 integrated) Wave Embassey Trust Suite Software (pre-loaded) Dell Smart Card USB Keyboard, Dell Biometric USB Fingerprint Reader (external option)
MANAGEMENT	
Dell Client Manager Standard	A no charge download of a single hardware management console allows you to deploy, manage and troubleshoot Dell client systems across your entire organisation
Intel Active Management Technology (iAMT 2.1)	Management of systems regardless of power state or in an OS-absent state
ENVIRONMENTAL	
Environmental & Regulatory	Energy Star 3.0, TCO-99, GreenPC, CECP, BSMI, C-TICK, MIC, SPRING, NFPA 99, VCCI, CCC, UL, FCC, CSA, IRAM, CE, ICS, PCBC, MEEI, SABS, NEMKO, EZU, SASO, EVPU, TUV,
SERVICE AND SUPPORT	
Service and Support	3-years Next Business Day On-Site Service[7]

A FEW THINGS TO KEEP IN MIND ABOUT DEPLOYING OPTIPLEX 745c:

- Provisioning requires a desk-side visit (remote provisioning is not supported until later versions)
- Back-end security infrastructure requirements will be necessary:
  - iAMT - capable console software (this is fee-based for advanced features)
  - Set up and configuration server (available from your console provider)
  - Certificate of Authority (CA) server
- iAMT does not currently support remote manageability for systems connected behind VPNs or outside firewalls

For more information about the Optiplex 745c and deployment, contact your account team, or visit www.dell.com/openmanage and download the 745c deployment guide.

1 Only supported on Intel Core 2 Duo E6000 family processors.
2 Shared Memory - up to 256MB of system memory may be allocated to support graphics, depending on system memory size and other factors.
3 Dual Channel Memory - Dual-channel memory requires 2 each of the same capacity memory DIMMs.
4 Gigabit LOM - this term does not connote an actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit ethernet server and network infrastructure is required.
5 For hard drives, GB means 1 billion bytes; actual capacity varies with preloaded material and operating system and will be less.
6 Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media with +RW/+R drive provides maximum compatibility; R=capability to burn disc once; RW=capability to burn disc multiple times. Special media/disc required, and third party software may also be required for certain applications.
7 Technician, replacement part or unit (depending on service contract) will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions (on site and/or next business day service not available in some locations) and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned or paid for. Replacements may be refurbished. For Dell projectors, bulbs have a 90-day limited warranty.
8 Some Genuine Windows Vista features - like the new Aero user interface - are only available in premium editions of Genuine Windows Vista and require advanced or additional hardware (e.g. monitors). Check www.dell.com.sg/vista for details.
9 The DVD region code can be changed up to 5 times and will then be locked so that it plays only DVD movies from the final region code selected.