HP Compaq dc7700p Business PC

Improve desktop management and security
with built-in Intel® vPro™ Technology.

Innovate while maintaining control…

Does this sound familiar? You're asked to innovate, improve security and business processes, and lower costs. Yet, studies show the cost of technology support and maintenance alone can seize as much as 89% of a typical enterprise IT budget. How can your department meet management's goals-realizing maximum security, efficiency and profitability by leveraging technology-when most of your time and money is spent handling:

- Manual inventories

- Undiscoverable assets

- Deskside visits

- Inability to manage systems that are powered down or where OS is inoperable

- Manual security patches

- Lack of configuration compliance

There is a better way to manage your desktops, to reduce the time and money spent on the "day-to-day" and get you spending more time on the "big picture." It starts with the HP Compaq dc7700p equipped with Intel® vPro™ Technology.

…with the HP Compaq dc7700p Business PC with Intel® vPro™ Technology

With the HP Compaq dc7700p with built-in Intel vPro Technology and an IT Management Console, the power to reduce the time and expense of day-to-day desktop management via secure, remote access is literally at your fingertips:

Strengthen security with:
- Security configuration compliance
- Security update deployment without user intervention
- Automated security update process
- Isolation of infected PCs

Reduce manageability costs with:
- Remote asset inventory
- Remote diagnostics and repair
- Manageability configuration compliance

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GREATER ENTERPRISE SECURITY,
EFFICIENCY AND CONTROL IS WITHIN

START WITH A SMARTER PC.

HP Compaq dc7700p: Built-in security, performance and IT productivity

Getting a handle on your IT enterprise management costs starts with the PC itself. The HP Compaq dc7700p delivers results that will impress even the most demanding IT managers, combining built-in manageability, stability and security with the performance and flexibility necessary to meet business demands and reduce IT complexity.

HP ProtectTools Security Suite

Provides an integrated console for easy setup and management of a wide range of security features including passwords, embedded security, and Smart Card keyboards.

HP Backup & Recovery Manager

Create factory image CDs and easily schedule data backups to network drives, second hard drives, and optical media. Enables a quick recovery for complete systems.

Real time data backup (RAID 1) capability

Factory-installed solution automatically writes data simultaneously to two hard drives to ensure it is protected.

Support for new energy efficiency standards

80 PLUS power supplies and Energy Star 4.0 models provide more efficient power conversion and reduced power consumption, helping save energy costs and supporting more PCs per branch circuit.

80 PLUS: this efficient power supply gives you lower energy costs and quieter, more productive work spaces by resourcefully converting AC power to DC power and regulating fan activity at the BIOS level.

Energy Star 4.0: saves energy and complies to new Energy Star specifications that place strict regulation on idle wattage time.
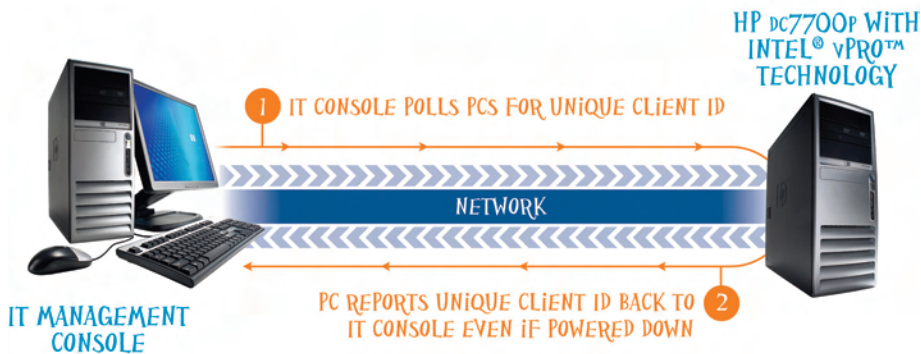
POWER TO THE PC!

Fast, accurate PC inventory

Even when PC is powered down or the OS is inoperable

Powered-down PCs hide from typical software-based inventory solutions, which are dependent on the PC being powered up and the OS being operational.

HP DC7700P WITH INTEL® VPRO™ TECHNOLOGY

1 IT CONSOLE POLLS PCS FOR UNIQUE CLIENT ID

NETWORK

IT MANAGEMENT CONSOLE

PC REPORTS UNIQUE CLIENT ID BACK TO IT CONSOLE EVEN IF POWERED DOWN 2

Reduce time and money spent on **manual** inventories to account for down or crashed PCs not recognized by your software-based management solution.

HP Compaq dc7700p desktops equipped with Intel vPro Technology rely on a secure, hardware-based, out-of-band (OOB) communications channel that is always available, enabling third-party software to poll systems for information even if a PC is powered off, its OS is down or its management agents are missing.

- Secure remote power-up lets authorized staff power up remote PCs, perform any necessary tasks, and remotely power down again.

- PC inventory is complete within minutes instead of days, saving time and ensuring compliance with government regulations.

- Inventory is more accurate than completely software-based solutions, counting all machines connected to the network, regardless of power or OS state.
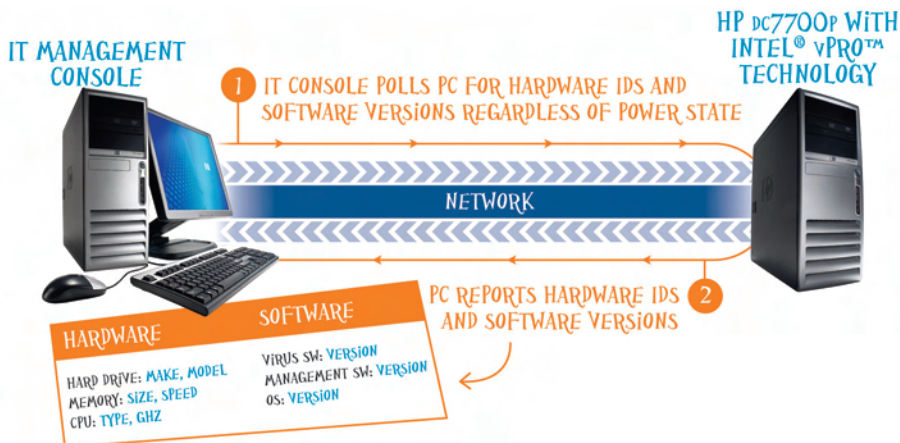
4

Manage hardware and software assets

Tracking software licenses and equipment status across multiple departments is a challenge. Turn that challenge into an opportunity to better budget for upgrades and save money on license fees with the HP Compaq dc7700p.

IT MANAGEMENT CONSOLE

HP DC7700P WITH INTEL® vPRO™ TECHNOLOGY

1 IT CONSOLE POLLS PC FOR HARDWARE IDS AND SOFTWARE VERSIONS REGARDLESS OF POWER STATE

NETWORK

2 PC REPORTS HARDWARE IDS AND SOFTWARE VERSIONS

HARDWARE
HARD DRIVE: MAKE, MODEL
MEMORY: SIZE, SPEED
CPU: TYPE, GHZ

SOFTWARE
VIRUS SW: VERSION
MANAGEMENT SW: VERSION
OS: VERSION

Third-party software stores hardware and software asset information in tamper-resistant, nonvolatile memory where it can be accessed by authorized staff from the IT management console.
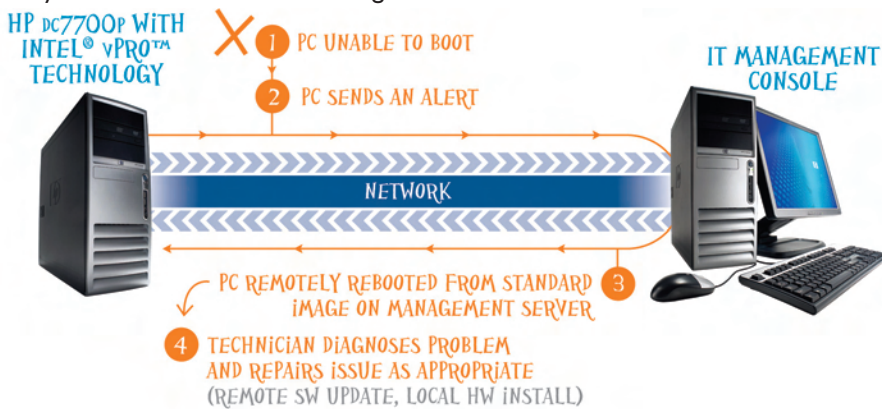
The same "always-available" hardware-based, OOB communications channel that allows for quick PC inventory also helps enable:

- Time savings by remotely polling all network-connected HP Compaq dc7700p Business Desktops for unique hardware IDs and software versions, regardless of power or OS state.

- Automatic updates to ensure PC compliance with policy-prescribed configuration.

- Fewer deskside visits to identify failed hardware parts that need to be replaced.

- Potential cost savings on license fees with accurate software inventories.

- Improvements in life-cycle management with better budgeting and planning tools for equipment upgrades.

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HELP DESK FROM YOUR DESK.

Remote diagnostics and repair

The HP Compaq dc7700p with built-in Intel vPro Technology sends a policy-based alert to the IT Management Console.

HP DC7700P WITH INTEL® vPRO™ TECHNOLOGY

1 PC UNABLE TO BOOT
2 PC SENDS AN ALERT

IT MANAGEMENT CONSOLE

NETWORK

PC REMOTELY REBOOTED FROM STANDARD IMAGE ON MANAGEMENT SERVER 3
4 TECHNICIAN DIAGNOSES PROBLEM AND REPAIRS ISSUE AS APPROPRIATE (REMOTE SW UPDATE, LOCAL HW INSTALL)

Before the user can even make that help desk call, the IT department is working on the problem using remote hardware-based diagnostic and repair capabilities including:

- **Remote Boot:** Integrated drive electronics redirect (IDE-R), allows authorized technicians to change the PC's boot device to a standard image.

- **Console Redirection:** Provided through serial over LAN (SOL), where technician can note problems with the boot process as the BIOS, OS and drivers attempt to load.

- **Issue Identification and Resolution:** Replacement drivers or missing .DLL files can be pushed down-the-wire to bring the PC back into a managed state.

- **System Re-imaging:** Quickly restore PCs by pushing existing images out remotely.
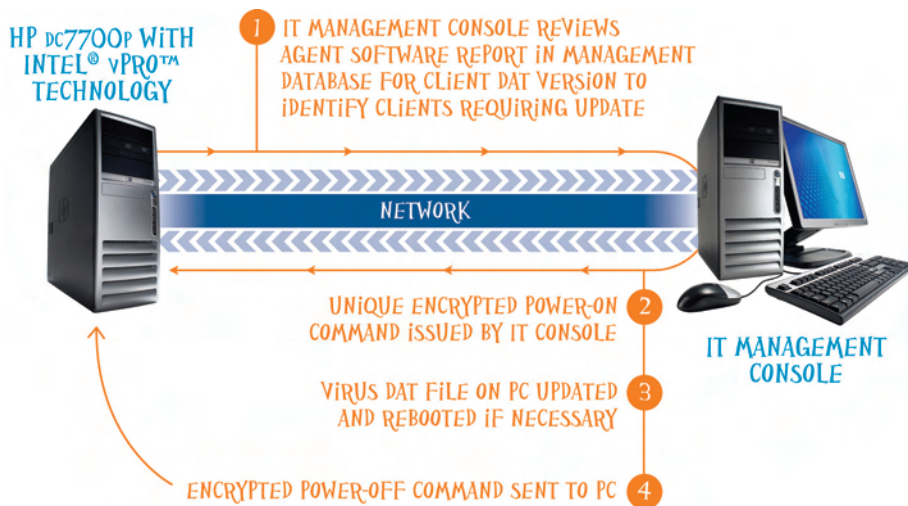
Use the HP Compaq dc7700p with Intel vPro Technology to:

- Significantly reduce on-site service calls for problem resolution

- Remotely repair PCs even if user OS and applications are infected

- Increase end-user productivity through less PC downtime

- Free up IT resources for additional projects

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DEFEND THE ENTERPRISE. IN YOUR SLEEP.

Proactive security updates

HP Compaq dc7700p Business Desktops make deploying security updates and patches easier, faster and more secure than ever with built-in Intel vPro technology that allows encrypted, remote power-on and update capabilities.

HP DC7700P WITH INTEL® vPRO™ TECHNOLOGY

1 IT MANAGEMENT CONSOLE REVIEWS AGENT SOFTWARE REPORT IN MANAGEMENT DATABASE FOR CLIENT DAT VERSION TO IDENTIFY CLIENTS REQUIRING UPDATE

NETWORK

2 UNIQUE ENCRYPTED POWER-ON COMMAND ISSUED BY IT CONSOLE

IT MANAGEMENT CONSOLE

3 VIRUS DAT FILE ON PC UPDATED AND REBOOTED IF NECESSARY

4 ENCRYPTED POWER-OFF COMMAND SENT TO PC

Use the HP Compaq dc7700p with Intel vPro Technology to:

- Reduce vulnerability by reducing time required to deploy patches
- Shift work to off-hours when it won't interfere with users
- Increase automation and speed of updates
- Improve service efficiency and quality

The secure OOB communications channel lets third-party applications check the desktop's software version information, determine if anything needs updating, and make appropriate updates and patches-regardless of the PC power- or operating-system state. And your peace-of-mind is safeguarded because:

- Secure, remote power-up lets IT turn on PCs from the IT console, so updates can even be pushed to devices that were originally powered off at the start of the maintenance cycle.

- Remote control is not allowed without user name and password from IT administrator.

- Password communication and commands can be encrypted between the client and console.

- Software version information is stored in tamper-resistant, non-volatile memory, always accessible to third-party management and security applications.

Optional Dual Display Capability

Maximize screen real estate by using a multi-monitor configuration to extend your screen desktop across both monitors, or display multiple programs on separate screens for increased productivity.

MULTIPLE SCREENS FOR MULTIPLE PROGRAMS.

Standard High Definition Audio, optimized for VoIP

High Definition audio with echo cancellation, beam forming and noise reduction provides high quality sound and cancels excessive background noise, ensuring increased audio flexibility, performance and quality for today's needs and tomorrow's innovations.

Support for new energy efficiency standards

80 PLUS power supplies and Energy Star 4.0 models provide more efficient power conversion and reduced power consumption, helping save energy costs and supporting more PCs per branch circuit.

1,000 systems running with Energy Star 4.0 compliant 80 PLUS power supplies could result in a cost savings of over $11,500 annually.[1]

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Energy-efficient design

An ingenious thermal case design and engineered fan curve settings help keep each PC not only quiet, but also at a cool operating temperature, promoting more efficient energy usage.

Small footprint:
Perfect for Healthcare environments

When workspace is at a premium, such as in nursing stations and exam rooms, the optional HP Integrated Work Center combines any VESA compliant 17- or 19-inch flat panel monitor with the ultra-slim form of the HP Compaq dc7700p Business Desktop.

Efficient, NFPA 99 compliant power supply lowers costs and allows flexible use of HP Compaq dc7700p in patient areas!

Tool-Less chassis

The dc7700p is housed within a tool-less chassis for rapid IT access for upgrades and repairs.

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First-to-develop, first-to-market

It's no coincidence that HP is first-to-market with a PC equipped with Intel vPro Technology. HP drives the industry in hardware management applications, offering time-tested products that have been steadily upgraded and enhanced, from that first patent in 1995 through this century's longstanding strategic alliance with Altiris.

What does this mean to you? With the HP Compaq dc7700p, you not only benefit from HP's tradition of engineering excellence, but you can also tap into our comprehensive portfolio of mature, proven PC-management solutions that reduce the complexity of system management, thereby reducing your overall total cost of ownership.

Longstanding partnership with Altiris

The HP/Altiris partnership was the first of its kind in the industry – a unique alliance that extends beyond sales and marketing to include joint development and technology sharing. This provides a proven, long-running history of best-of-breed solutions for HP partners and customers:

HP Client Manager (HPCM)
Enables centralized hardware management of most HP and Compaq client computers from a Web browser. Included in both HP Client Suites and available for separate download, it uses the same Altiris infrastructure as other management solutions, so only one infrastructure with one unique database needs to be set up and maintained.

HP Client Manager 6.2: Delivers two free Altiris out-of-band management solutions that enable collection-based management-including asset information, alerts and power management-of remote computers equipped with Alert Standard Format (ASF) and Intel Active Management Technology (iAMT).

HP Client Suites
Bundles of HP- and Altiris-created solutions that provide significant TCO-reduction compared to manual client management processes, no matter what your level of IT maturity. The HP Client Foundation Suite (HP CFS) is an entry-level product for smaller organizations or those just beginning to automate PC management processes.

The HP Client Premium Suite (HP CPS) is for organizations that require full client hardware and software lifecycle management and also includes:

- Altiris Audit Express
- Altiris Client Management Suite Level 1
- HP OpenView Connector
- Altiris Connector Solution

Rapid Deployment Pack
A fast, easy server deployment solution that facilitates the installation, configuration, and deployment of high volumes of servers through either a GUI-based or a web-based console, using either scripting or imaging technology.

HP Systems Insight Manager Connector
Consolidate deployment and management from one HP Systems Insight Manager consoles. The connector integrates with HP client manager and functions to better monitor, access and troubleshoot clients remotely and efficiently.

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ACCESS REMOTELY, SUCCESS FOLLOWS CLOSELY

HP: Pioneer in client and server management

Out-of-band solutions like the Intel vPro Technology platform are nothing new to HP. Remote server management through our iLO and iLO2 management processors already allow IT professionals to administer, troubleshoot and restore servers independently of the operating system. HP leveraged this remote server management expertise to develop **HP OpenView Solutions**, a three-tiered portfolio of products and technology that take advantage of the hardware-based capabilities of Intel vPro technology to enable remote, out-of-band, integrated hardware and software management:

Upgrading is easy!
Existing infrastructure, agents, collected data and acquired software patches are preserved when migrating between these three products!

HP OpenView Client Configuration Manager 2.0 Basic Edition: a free, easy-to-use and quick-to-deploy, Web-based solution for managing Windows® PCs and HP Thin Clients. Perfect for medium-sized enterprises or remote divisions of larger companies with up to 10,000 PCs, the basic edition provides:

• Hardware and software inventory collection

• Remote PC control

• HP alert monitoring

• HP hardware driver and BIOS updates

• Free add-on support for two out-of-band management solutions

HP OpenView Client Configuration Manager 2.0 Premium Edition: an upgrade – available by purchasing and installing a new license key – that includes all the functionality of the Basic Edition, plus:

• Operating system deployment and settings migration

• Patch management

• Software distribution and usage metering (for HP Thin Clients)

HP OpenView PC Configuration Management: a sophisticated and automated suite of enterprise-class products based on a single, policy-driven architecture that continuously monitors and manages complex, distributed and changing IT environments.

HP Easy Financing

Ideal for businesses with tight budgets and real world demands, HP Easy Financing for business provides a number of options: short term, long term, own it or rent it you decide. Visit www.hp.com/go/easyfinancing to learn more.

HP Total Care

HP Total Care services bring desktop users the full circle of HP's personalized services for every stage of a computer's life. From choosing, to configuring, to protecting, to maintaining - all the way to recycling a computer - HP stands by its customers along the way. The purchase of a desktop from HP allows you to choose the exact amount of support you need.

HP Total Care includes service and support, software and driver downloads, set-up assistance, responsible hardware recycling, on-site repair, online classes and much more.

[1] Savings calculations based on PCMark 05 benchmark testing results. Internal testing, customer results will vary. Variables include customer determined percentage of sleep state, idle state, productivity state, and peak usage state. Also, manufacturing variability will affect the savings a customer may see. HP advises customers to test a system with an 80% efficient power supply in their environment to determine potential savings.

Customers not using a sleep state should see higher savings as idle state draws more watts.

To learn more, visit www.hp.com/go/desktopfamily

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