VANTAGE

Vantage Series Ultra-Small PC

Key Features

- Thermally Advantaged pico-BTX Chassis
- Intel® Q965 Chipset
- Intel® Core 2™ Quad Processor Q6XXX (Quad-Core)
- Intel® Core 2™ Duo Processor E6XXX (Dual-Core)
- 800 MHz or 1066 MHz FSB
- Maximum 4 GB DDR2 SDRAM
- Intel® Extended Memory 64 Technology
- Intel® GMA 3000 Graphics Controller
- Intel® High Definition Audio
- Eight High-speed USB 2.0 Ports
- 7-in-1 Flash Memory Card Reader (Optional)
- Supports Windows Vista™
- Standard 220 Watt LFX Power Supply
- FCC DoC, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Vantage Series Model FT1-F322 simply needs no introduction, coupling dynamic performance and valuable capabilities with its agreeable price point. Vantage skillfully merges the energy-efficient power of the Intel® Core™ 2 Duo processor with enhanced manageability, data protection and security capabilities. Not only does Vantage's slim, compact form ensure a smaller footprint and reduce desktop clutter, it's innovative chassis design (utilizing the picoBTX form factor) keeps the CPU and memory cooler, and minimalizes noise levels. For digital multimedia storage capacity, the Vantage incorporates Serial ATA channels for the latest (or legacy) hard disk drives. Intel® Matrix Storage Technology adds another layer of protection by preventing data loss and ensuring reliability. With eight USB 2.0 ports and two Firewire® ports, Vantage makes it a snap to connect to peripheral, communication and consumer electronic devices. All in all, it is easy to see why the Vantage is a great value: it renders a feature-packed system delivering capabilities ideal for educational entities.

Model FT1-F322

Vantage Series Ultra-Small PC

Processor
FC-LGA4 Package (775-land Package)
Intel® NetBurst™ Microarchitecture
533 MHz, 800 MHz, or 1066 MHz Front Side Bus (FSB)
Intel® Core 2™ Quad Processor Q6XXX (Quad Core)
2.4 GHz to 2.6 GHz (1066 MHz FSB)
Intel® Core 2™ Duo E6XXX (Dual Core)
1.86 GHz to 2.66 GHz (1066 MHz FSB)
Intel® Core 2™ Duo E4XXX (Dual Core)
1.8 GHz to 2.2 GHz (800 MHz FSB)

Chipset
Intel® Q965 Chipset
Intel® 82Q965 Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect
Intel® 82801HDO I/O Controller Hub (ICH8DO) with DMI Interconnect

BIOS
4 Mbit Flash EEPROM
Award® PCI BIOS - APM 1.2, Plug & Play 1.0a, SMBIOS 2.3, DMI 2.1, WfM 2.0
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
Preboot Execution Environment (PXE) Supported
PC '01 Compliant

System Memory
Two 240-pin Dual Channel DIMM Sockets Supporting Non-ECC 667 MHz and 800 MHz DDR2 SDRAM Memory
512 MB, 1 GB and 2 GB DIMMs
Maximum Memory Capacity of 4 GB

System Management
Auto-throttling of CPU Fan in Suspend Mode to Save Power
Auto Slow-down of CPU When Overheating is Detected
Power Supply Voltage Monitoring and Alert
System Resources: Memory & Hard Disk Drive Utilization Monitoring & Alert Wake-On-LAN and Wake-On-Ring Supported

Integrated Serial ATA
2 Independent 3 GB/sec Channels
Supports 2 Serial ATA Devices

Security & Encryption
Trusted Platform Module (TPM) v1.2
Protects Encryption and Signature Keys and Supports Attestation

Integrated Video
Integrated Intel® GMA 3000 Graphics Controller
Dynamic Video Memory Technology (DVMT) Supporting up to 256 MB

Integrated Audio
Intel® High Definition Audio
Integrated 3-Channel (2.1) High Definition Audio via Realtek ALC880 Audio Codec
Front Panel Connectors: Line Out and Microphone-in
Back Panel Connectors: Line In, Headphone-Out and Microphone-in/Retasking Jack

Integrated LAN
Integrated Gigabit 10/100/1000 Ethernet Subsystem
Intel® PRO 1000 via Intel® 82566DM Gigabit Ethernet Controller
Intel® Active Management Technology 2 (AMT2)

Integrated Flash Memory Card Reader (Optional)
Integrated 7-in-1 Memory Card Reader
Secure Digital (SD), Compact Flash (CF), Micro Drive (MD), Smart Media (SM), Multi-Media Card (MMC), Memory Stick (MS), and Memory Stick Pro (MS-Pro) Supported

Integrated Super I/O
One Serial Port
One ECP/EPP Parallel Port
Eight USB 2.0 Ports: Three Dual Back and One Dual Front Panel Connectors
One VGA Port
One RJ-45 Port
Two IEEE1394 Ports

Expansion Slots
One PCI Express x16 (Low Profile)

Bus Architecture
PCI Express x16

Housing Configuration
Thermally Advantaged pico-BTX Chassis

Dimensions (d) x (w) x (h) mm/inch
320 x 280 x 85 / 12.6 x 11 x 3.3

Drive Bays

5.25 inch Slim External	1
3.5 inch Slim External	1
3.5 inch Internal	1

Power Supply Features

Input Voltage	100-120 VAC/200-240 VAC
Input Frequency	50/60 Hz
Input Currents	6 A
Device Power Connectors	1 for 5.25", and 2 for 3.5" Devices
Green PC	EEF Energy Efficient PC
Maximum Output	220 Watts
Form Factor	pico-BTX
Soft Power Switch	DC On/Off via TTL Signal

Environmental

Operating Temperature	0° to 35° C / 32° to 95° F
Storage Temperature	-40° to 70° C / -42° to 158° F
Relative Humidity	92% RH @ 36° C / 97° F

Regulatory & Product Certifications

EMI/RFI:	FCC Declaration of Conformity (DoC)
EPA:	Energy Star Compliant

Options
Vertical Chassis Stand

SPEC-FT1F322-01-081007

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