Shuttle®

Smart budget solution for simple tasks

Shuttle K-Series
K 450VA
openSUSE

The Shuttle K-Series K 450VA PC system is a great choice for basic computing needs such as office applications and web surfing in the business or home segment. It is a small and stylish PC platform with low power consumption that seamlessly integrates into a network using its Ethernet or an optional WLAN interface. This affordable entry-level platform with preinstalled OpenSUSE Linux operating system targets SME, corporate, public and educational institutions. Easily set up an ideal second home PC to manage any simple everyday applications in a snap while banking on Shuttle's high reliability.

Feature Highlight

K chassis	• Black chassis with aluminum cover • Dimensions: 28 x 19 x 17 cm (L/W/H)
OS	• OpenSUSE Linux
Chipset	• Intel 945GC + ICH7 • Integrated GMA950 graphics, VGA out
CPU	• Socket 775 • Intel Pentium Dual Core E2220 (2x 2.4GHz)
Memory	• 1GB DDR2-800 (2x 512MB)
Drive	• 80GB SATA II hard disk
Other	• 5.1 HD audio • 4x USB 2.0 • Gigabit LAN
Power supply	• 100 Watt Flex-ATX power supply
Application	• Business
Service	• 24 months Bring-In-Service

Prduct ID: K 450VA
Order No: PCV-K4500VA1

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The configuration of the Shuttle K-Series K 450VA is only one of several configurations available of the Shuttle K-Series K 450V. Please refer to the **Shuttle Systems Configurator** (sys.eu.shuttle.com) to see the full range of other possible built-to-order (BTO) systems.

www.shuttle.com

Shuttle K-Series **K 450VA** Specifications

Range of application	Recommended for business use
Basis	System based on: the Shuttle K-Series Barebone K45
Operating system	OpenSUSE Linux, powered by Novell
Chassis	K-type aluminum chassis, color: black dimensions: 28 x 19 x 17 cm (LWH)
Processor	Intel® Pentium Dual Core E2220 Core frequency: 2x 2.4GHz Processor socket 775 L1-Cache: 2x32kB, L2-Cache: 2x 512kB Instruction sets: MMX, SSE3, Execution-Disable (XD-Bit) Thermal-Monitor 2, Enhanced Halt State (C1E), Speedstep (EIST), 64 Bit (EM64T) FSB frequency: 800 MHz (quad-pumped) Processor core: Conroe-L, 65nm Max. power consumption: 65 watts (TDP)
Cooling technology	Big 92mm chassis fan at the rear side and Intel-boxed processor cooler Temperature-controlled RPM fan speed (Smart fan technology)
Chipset	Intel® 945GC Express Chipset (MCH, Northbridge) + ICH7 (Southbridge)
Hard disk	80GB Serial ATA II hard disk, 3.5" format
Memory	1GB DDR2-800 (2x 512MB modules)
Integrated Graphics	Intel Graphics Media Accelerator 950 (GMA950) with PCI-E x1 improved bandwidth, features 333MHz graphics core DX8/DX9 support and enhanced 3D performance Dynamic Video Memory Technology (DVMT) 3.0 Shared Memory max. 224MB Analog 15 pin Sub-D VGA video out connector
Audio	Audio Realtek® ALC 662 6-channel High-Definition Audio Three analog audio connectors (3.5mm) at the Back-Panel: 1) Front Line out (head phone) 2) Rear Surround line-out (shared with microphone input) 3) Center line-out (shared with Line in)

LAN controller	Gigabit Ethernet network controller (Marvell 8056) Supports 10/100/1000 MBit/s operation RJ45 back panel connector Supports Wake-on-LAN function and PXE (Preboot Execution Environment)
Front panel buttons & LEDs	Power button Power indicator (LED) HDD indicator (LED)
Back panel connectors	D-sub VGA Video out 4x USB 2.0 RJ45 LAN connector PS/2 keyboard connector PS/2 mouse connector Serial COM port Parallel port Audio Front Line out (head phone) Auido Rear Surround line-out (shared with microphone input) Audio Center line-out (shared with Line in)
Empty Slot	1x PCI Expansion Slot (32 bit)
Power supply	100 Watt Flex ATX power supply unit Input voltage range: 100~240V AC, 47~63 Hz Active PFC (Power Factor Correction) EMI Certified: FCC, CE, BSMI Safety Certified: UL, TÜV, CB Power plug region specific, 40 mm cooling fan sensor control
Further configuration options	It is possible to modify certain components of this system. Please refer to the "Shuttle Systems Configurator".
Warranty	24 Months Bring-In-Service

Connectors and Components

Front-Panel

F1 Power Switch
F2 Power LED
F3 HDD LED

Back-Panel

B1 Optional WLAN
B2 AC Power Socket
B3 PS/2 Mouse Port
B4 PS/2 Keyboard Port
B5 COM Port
B6 Parallel Port

B7 VGA Port
B8 USB Port
B9 LAN Port
B10 MIC-In Port
B11 Line-Out Port
B12 Line-In Port
B13 PCI Slot
B14 Rear Fan