MOTOROLA COMPUTER GROUP

OEM Systems Products

CPX2408SK*xx*
PENTIUM II COMPACTPCI TELEPHONY BUS STARTER KITS

Advantages

One complete package. One affordable price. The all-inclusive, feature-rich design of Motorola's industrial quality CPX2408SK*xx* Pentium® MMX™ CompactPCI® Starter Kits delivers exceptional value and performance. CPX2408SK*xx* Starter Kits are based on Motorola's CPV5300 CompactPCI Pentium II single-board computer and versatile 8-slot CPX2408 CompactPCI chassis with front and rear hot-swap I/O and an optional H.110 bussed backplane. The Starter Kits are fully integrated CompactPCI systems with a high-performance Intel® Pentium II processor with either 32MB or 64MB or DRAM, 4GB hard drive, CD-ROM and floppy and seven additional expansion slots. The Starter Kit is designed to meet the needs of first-time CompactPCI users and telecom/CTI OEM developers.

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CompactPCI Starter Kits with CPV5300 CPU

CompactPCI Processor Module. The CPV5300 single-board computer offers 266 MHz Pentium II processor with integral 512KB L2 cache. Data integrity is enhanced with on-board support for Error Checking and Correction (ECC) memory using two standard 32-bit DIMMs. The CPV5300 provides USB, serial, parallel, floppy, EIDE, 10/100Mb Ethernet, and Ultra Fast/Wide SCSI-3 controllers.

Affordable, Reliable Architecture. The CPX2408SK*xx* CompactPCI Starter Kits are designed expressly to provide a turnkey solution for OEM developers and first-time users of CompactPCI. CPU, memory, peripherals, power supply and cables are all included in the 19" rack- or panel-mountable CPX2408 front and rear I/O chassis with hot-swap, optional H.110 bussed backplane.

Open Standard Platform. The IEC-1076 pin-and-socket connectors, IEEE 1101.10 compliant card injectors/ejectors, IEEE 1101.11 compliant rear I/O transition modules, and the optional CompactPCI compliant hot-swap H.110-ready backplane provide an open platform for CompactPCI application development.

Specifications

Chassis Dimensions

Height:	14 in. (8U, 355.6 mm)
Width:	17.3 in. (439.4 mm)
Depth:	14.4 in. (365.8 mm)
Weight:	Approximately 40 lbs. (18 kg) w/o cards or peripherals

Construction

All steel body; recessed card cage; off-white (PMS 427 C) finish

System

Conforms to:

- IEEE 110-10 specifications
- IEEE 1101.11 specifications
- PICMG® 2.0 rev 2.1 CompactPCI specifications
- PICMG 2.1 rev 1.0 Hot Swap specification
- PICMG 2.5 H.110 backplane

Supports 32- and 64-bit PCI architectures

Seven 6U x 4HP adapter card slots, one 6U x 12HP system CPU slot; one 6U x 4HP system monitor slot

Peripheral Bays

Five front-accessible drive bays accommodate three 5.25" devices and two 3.5" devices with standard adapter panels; hot swap via drive carriers

Thermal Management

Bottom-to-top, positive pressure through front and negative pressure through rear, forced air cooling using 12 VDC brushless, ball-bearing fans, two mounted in front removable fan tray and one on removable rear panel, providing 100 CFM total through the card cage (thermal results and airflow characteristics will vary according to placement and height of components on installed boards)

Front air inlet, rear air exhaust

Power supply exhaust fan

Fault Management/Supervisory

CPV5300 has Power OK (green), disk activity (green), watchdog alarm (red), speaker output (amber), Ethernet link (green), Ethernet activity (amber)

Front ON/OFF standby switch behind door

Power Supply

400W, PS/2® style (hold time is 16ms for 5V at normal input voltage)

System Voltages

Output:	400 watt @ 50° C
+5V	50 A max.*
+3.3V	30 A max.*
+12V	15.0 A max.
–12V	1.5 A max.
Input Voltage:	100–120/200–240 VAC (switchable), 50/60 Hz internal fuse protected

*Combined draw on +5V and +3.3V not to exceed 200 watts.

Environmental

	Operating	Storage/Transit
Temperature:	0° C to +40° C	–20° C to +70° C
Humidity (NC):	5% to 95% @ 40° C	0% to 95% @ 40° C
Altitude:	6,000 ft. (1,829 m)	50,000 ft. (15,240 m)
Shock:	—	per ASTM 0775
Vibration:	1.0 G @ 10 to 330 Hz	1.2 Gs @ 5 to 330 Hz
Static Discharge:	IEC 801-2	
Acoustic Noise:	< 54 dBA (peripherals idle, at 1 meter)	

Demonstrated MTBF

Minimum 50,000 hours (based on sample testing in accelerated stress environment)

Regulatory Compliance

Meets or exceeds the following:

Safety:	CSA NRTL/C, VDE EN60950, CE Mark per European Low Voltage Directive 72/23/EEC
EMC:	U.S.: FCC Part 15, Subpart B, Class A (non-residential) Canada: ICES-003, Class A (non-residential) Europe: CE Mark per European EMC Directive 89/336/EEC with Amendments; Emissions: EN55022 Class A; Immunity: EN50082-1

Warranty

Five-year limited warranty (Pentium MMX processor two year)

Ordering Information

Part Number	Description
CPX2408SK10:	CPV5300 with 266 MHz Pentium II processor and heatsink/fan, 32MB DRAM; floppy drive, 4GB EIDE hard drive, and 32x CD-ROM drive installed in drive bays; 80mm rear I/O transition module; cables; CPX2408 and CPV5300 user's manuals
CPX2408TSK10:	Same as CPX2408SK10 except includes H.110 backplane
CPX2408SK20:	Same as CPX2408SK10 except includes 64MB DRAM
CPX2408TSK20:	Same as CPX2408SK10 except includes H.110 backplane and 64MB DRAM

Additional Products

8540A-01:	PMC Carrier Card (6U)

For more information, visit our World Wide Web site at **http://www.mcg.mot.com**
To call us dial **1-800-759-1107** in the U.S. and **512-434-1526** outside of the U.S.
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Data Sheet: C248S-D1 5/99

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