Dual Core Atom™ technology for COM Express® compact

» Up to Intel® Atom™ D525 (2x 1.8GHz)
» Up to 4 GB DDR2/DDR3 memory
» LVDS and VGA simultaneous graphics support
» COM Express® compact, Pin-out Type 2
COMe-cPV2
Dual Core Atom™ technology

Technical Information

Processor
Intel® Atom™ D510, D410, N450, D525 (up to 2x 1.8 GHz)

Cache
Up to 1 MB L2 Cache

Chipset
Intel® 82801HM

Memory
Up to 4 GB DDR2 SODIMM

Hard Disk
3x SerialATA, 1x PATA

USB
USB 2.0, 8 ports

PCI
PCI 2.1, 32 bit / 33 MHz

PCIexpress
5 PCIe x1 lanes

Ethernet
10/100/1000 MBit, Intel® 82567LM

Sound
Intel® High Definition Audio

Graphics Controller
Integrated in Atom™ CPU, GMA3150 with DirectX® 9, PS 2.0

Display Interfaces
Single Channel LVDS 18 bit up to WXGA (1366x768), CRT up to QXGA (2048x1536)

LVDS Panel Support
Single Channel LVDS 18 bit

Security Features
TPM 1.2

Other Features
ACPI with SS, JDA and K-station Support, WakeOnLAN, Staged Watchdog, RTC, LPC, JRC support, Fast I²C, SMBus

Form Factor
COM Express® compact: 95 x 95 mm

Power Consumption (typ.)
8W - 18W (estimate)

Temperature (*)
Operation: 0°C to 60°C
Storage: -30°C to 85°C

Humidity
Operation: 10% to 90%
Storage: 5% to 95% (non condensing)

(*) Ask about extended temperature ranges

Ordering Information

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<th>Article</th>
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<th>Description</th>
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<tr>
<td>COMe-cPV2 D510</td>
<td>36007-0000-16-2</td>
<td>Intel® Atom™ D510 (1 MB L2 Cache, Dual Core 1.66 GHz, TDP of CPU 15W)</td>
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<tr>
<td>COMe-cPV2 N450</td>
<td>36007-0000-16-0</td>
<td>Intel® Atom™ N450 (512K Cache, 1.66 GHz, TDP of CPU 7W)</td>
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<td>COMe-cPV2 D410</td>
<td>36007-0000-16-1</td>
<td>Intel® Atom™ D410 (512K Cache, 1.66 GHz, TDP of CPU 12W)</td>
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<tr>
<td>COMe-cPV2 D525</td>
<td>36007-0000-18-2</td>
<td>Intel® Atom™ D525 (1MB L2 Cache, 2x 1.8 GHz, TDP of CPU 13 W), DRR3 memory</td>
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<tr>
<td>HSK-COMe-cPV2 w/ Fan</td>
<td>36007-0000-99-OC01</td>
<td>Active Heatsink for COMe-cPV2 with fan</td>
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<td>HSK-COMe-cPV2 w/o Fan</td>
<td>36007-0000-99-OC02</td>
<td>Passive Heatsink for COMe-cPV2 without fan</td>
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<tr>
<td>HSP-COMe-cPV2 threaded</td>
<td>36007-0000-99-0</td>
<td>Heatspreaders for COMe-cPV2, threaded</td>
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<tr>
<td>HSP-COMe-cPV2 through</td>
<td>36007-0000-99-1</td>
<td>Heatspreaders for COMe-cPV2, through-hole</td>
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