CP-Pocket - for demands beyond a Box PC

» Open platform with cost optimized CPU blades
» Flexible system expansion
» CompactPCI: modular, robust, long-lasting
» Pocket size and pocket price
CP-Pocket
For demands beyond a Box PC

The CP-POCKET corresponds to a compact Box-PC in terms of size and price range, but offers the openness, flexibility and modularity of CompactPCI at only limited extra cost:

- Flexibility: just plug another I/O board where needed
- Variability: upgrade to another CPU for higher performance
- Longevity: switch over to next generation CPU blade
- Supplier-independency: for special needs, select any market-available component

Its modular form factor is the ideal choice for any industrial application, when additional hardware flexibility is needed.

CP-POCKET is available in both an AC and a DC standard version. Each with a 75 watt power supply and a 4-slot CompactPCI backplane. The power supply provides the 5 and 3.3 volt for the CPCI boards inside the system.

Three performance levels are available: Variants with CP305, equipped with a 1.6 GHz Intel® Atom™ N270 CPU, variants with CP307-V, 1.86 GHz Intel® Celeron® M 440, and variants with CP3003-V, 1.0 GHz Intel Celeron 807UE (32nm technology).

In case an alternative selection out of the wide choice of Kontron’s 3U CPU blades is requested, the CP-ASM4-POCKET chassis is also available as an open platform.

CP-Pocket is equipped with a cable strain-relief and a fan. Proposal of fanless variants (for CP305) on request.

### Technical Information

#### AC Power Supply
- **Input voltage**: 90 - 264 VAC
- **Input frequency**: 50 / 60 Hz
- **Input connector**: Screw terminal on the front panel
- **Output voltage (current)**: 3.3 V (8 A); 5.0 V (8 A)
- **Combined maximum consumption**: 75 watts

#### DC Power Supply
- **Input voltage**: 20 - 60 VDC (24 or 48 volt nominal)
- **Input connector**: 3 pin D-Sub on the front panel
- **Output voltage (current)**: 3.3 V (15 A); 5.0 V (15 A)
- **Combined maximum consumption**: 75 watts

#### CPCI Backplane
- **Slot count**: 4 slots
- **System slot**: Right
- **Clock speed**: 33 MHz
- **Transfer rate**: 32-bit

#### CPUs
- **CP305**: Intel® Atom™ processor N270, 1.6 GHz, 1GB RAM
- **CP307-V**: Intel® Celeron® M processor 440, 1.86 GHz, 1GB RAM
- **CP3003-V**: Intel® Celeron® 807UE, Single-Core 1.0 GHz, 1MB cache, 2GB RAM

#### Common
- **Dimensions**: 155 x 183 x 210 mm (3U / 28HP)
- **Temperature range**: 0°C to +50°C (standard)
- **Climatic humidity**: Non-condensing 20 - 90% at 40°C
- **Weight**: Ca 2.5 kg without CPU

### Ordering Information

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<tr>
<th>Article</th>
<th>Description</th>
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<tbody>
<tr>
<td>CP-POCKET-F-M75AC-B0401-3003-STD</td>
<td>4U / 28HP CPCI Pocket base AC, CP3003-V, 1.0 GHz, 2GB RAM</td>
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<tr>
<td>CP-POCKET-F-M75DC24V-B0401-3003-STD</td>
<td>4U / 28HP CPCI Pocket base DC, CP3003-V, 1.0 GHz, 2GB RAM</td>
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<tr>
<td>CP-POCKET-F-M75AC-B0401-305-STD</td>
<td>4U / 28HP CPCI Pocket base AC, CP305, 1.6 GHz CPU, 1GB RAM</td>
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<tr>
<td>CP-POCKET-F-M75DC24V-B0401-305-STD</td>
<td>4U / 28HP CPCI Pocket base DC, CP305, 1.6 GHz CPU, 1GB RAM</td>
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<tr>
<td>CP-POCKET-F-M75AC-B0401-307-STD</td>
<td>4U / 28HP CPCI Pocket base AC, CP307-V, 1.86 GHz CPU, 1GB RAM</td>
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<tr>
<td>CP-POCKET-F-M75DC24V-B0401-307-STD</td>
<td>4U / 28HP CPCI Pocket base DC, CP307-V, 1.86 GHz CPU, 1GB RAM</td>
</tr>
<tr>
<td>CP-POCKET-F-M75AC-B0400-STD</td>
<td>4U / 28HP rack with 4-slot CPCI backplane, 75 watt AC PSU, no CPU</td>
</tr>
<tr>
<td>CP-POCKET-F-M75DC24V-B0400-STD</td>
<td>4U / 28HP rack with 4-slot CPCI backplane, 75 watt DC PSU, no CPU</td>
</tr>
<tr>
<td>CP-FP-DUMMY-3U-4HP</td>
<td>3U / 4HP dummy front panel for empty slot covering</td>
</tr>
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