

» CP-Pocket «



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)
3.3V / 5V power	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)
3.3V / 5V power	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, 1 GB
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

Article

[CP-POCKET-F-M75AC-B0401-3003-STD](#)
[CP-POCKET-F-M75DC24V-B0401-3003-STD](#)
[CP-POCKET-F-M75AC-B0401-305-STD](#)
[CP-POCKET-F-M75DC24V-B0401-305-STD](#)
[CP-POCKET-F-M75AC-B0401-307-STD](#)
[CP-POCKET-F-M75DC24V-B0401-307-STD](#)
[CP-POCKET-F-M75AC-B0400-STD](#)
[CP-POCKET-F-M75DC24V-B0400-STD](#)
[CP-FP-DUMMY-3U-4HP](#)

Description

4U / 28HP CPCI Pocket base AC, CP3003-V, 1.0 GHz, 2GB RAM
 4U / 28HP CPCI Pocket base DC, CP3003-V, 1.0 GHz, 2GB RAM
 4U / 28HP CPCI Pocket base AC, CP305, 1.6 GHz CPU, 1GB RAM
 4U / 28HP CPCI Pocket base DC, CP305, 1.6 GHz CPU, 1GB RAM
 4U / 28HP CPCI Pocket base AC, CP307-V, 1.86 GHz CPU, 1GB RAM
 4U / 28HP CPCI Pocket base DC, CP307-V, 1.86 GHz CPU, 1GB RAM
 4U / 28HP rack with 4-slot CPCI backplane, 75 watt AC PSU, no CPU
 4U / 28HP rack with 4-slot CPCI backplane, 75 watt DC PSU, no CPU
 3U / 4HP dummy front panel for empty slot covering

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