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CP-ASM 3, CP-ASM4



Ready available card cages for 3U CompactPCI®

- 19" racks with RIO and FAN options
- Industrial power supplies from 14 VDC to 260 VAC
- Backplanes with 2 to 8 slots segments
- EMI protected and CE compliant

POSSIBILITIES START HERE kontron S&T Group

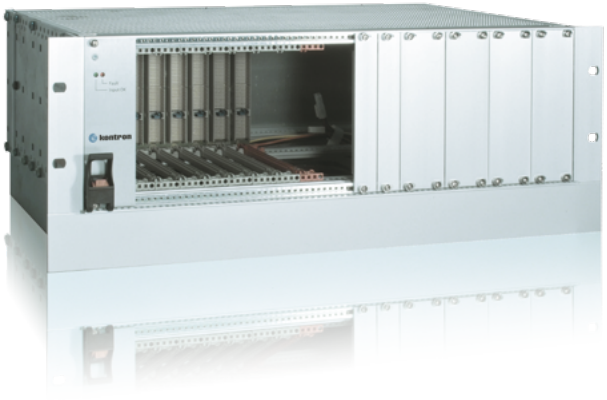
CP-ASM3 is a series of ready integrated standard card cages for 3U CompactPCI®, based on the quality and experience of the technology leader CP-ASM4 includes a 1U fan tray.
CompactPCI® is the most accepted modular standard throughout the ICT market segments. CompactPCI® is loved for any applica-tion, where openness, modularity, robustness, reliability, or longevity is an advantage. Outstanding advantages are:

- **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

TECHNICAL INFORMATION

DIMENSIONS	84HP RACK 42HP RACK 84HP FAN TRAY 42HP FAN TRAY	483 x 133 x 282 mm / 84HP, 3U, 275 mm 220 x 133 x 242 mm / 42HP, 3U, 235 mm 483 x 45 x 282 mm / 84HP, 1U, 275 mm 220 x 45 x 242 mm / 42HP, 1U, 235 mm
P47-STYLE POWER SUPPLY	200 WATT AC	CP3-SVE-P200AC - Input: 85-264 VAC - Max Output: 5 V/40 A, 3.3 V/40 A, +12 V/5.5 A, -12 V/2 A. - Dimension: 3U, 8HP - Cooling: Forced airflow mandatory! - Characteristics: Hot swapable, redundant
	200 WATT DC 36 - 75 VDC	CP3-SVE-P200DC-48 V - Input: 36 - 75 VDC - Max Output: 5 V/40 A, 3.3 V/40 A, +12 V/5.5 A, -12 V/1.5 A. - Dimension: 3U, 8HP - Cooling: Forced airflow mandatory! - Characteristics: Hot swapable, redundant
	200 WATT DC 18 - 36 VDC	CP3-SVE-P200DC-24 V - Input: 18-36 VDC - Max Output: 5 V/25 A, 3.3 V/36 A, +12 V/3 A, -12 V/0.5 A - Dimension: 3U, 8HP - Cooling: Forced airflow mandatory! - Characteristics: Hot swapable, redundant
M-STYLE POWER SUPPLY	180 WATT AC	CP3-SVE-M180AC - Input: 85-264 VAC - Max Output: 5 V/20 A, 3.3 V/14 A, +12 V/2 A, -12 V/1 A. - Dimension: 3U, 12HP - Cooling: Free convection airflow - Characteristics: Not hot swapable, not redundant
	120 WATT DC	CP3-SVE-M120-WV - Input: 24, 36, 48, 72, 96, 110 VDC nominal - Max Output: 5V/20A, 3.3V/14A, +12V/10A, -12V/0.5A - Dimension: 3U, 6HP - Cooling: Free convection airflow - Characteristics: Extended temperature, conformal coating, EN50155 redundant, not hot swapable

For further information refer to the respective data sheets and manuals of the power supplies or CompactPCI® backplanes.



// CP-ASM4R-84F-P200AC-B0800-STD2

TECHNICAL INFORMATION

COMPACTPCI® BACKPLANE	FOR P47 STYLE PSU	CP3-BP8-P47-KIT-RIO - PSU connector: P47 - Slot: 8, all 32 bit with Rear I/O - System slot: right CP3-BP4-M-KIT-RIO - PSU connector: M-style - Slot: 4, all 32 bit with Rear I/O - System slot: right
	FOR M-STYLE PSU	CP3-BP8-M-KIT-RIO - PSU connector: M-style - Slot: 8, all 32 bit with Rear I/O - System slot: right
1U FAN TRAY	84HP / 1U-275MM / 3.6W	CP-MKIT-FAN-84-3 - Power consuption: 12 VDC / 3x 1.2 Watt - Airflow: 3x 95 m^3/h (56cfm) / average of 1.25 m/s (250lfm)
	84HP / 1U-275MM / 15W	CP-MKIT-FAN-84-15 - Power consuption: 12 VDC / 3x 5 Watt - Airflow: 3x 170 m^3/h (100cfm) / average of 2.5 m/s (500lfm)
	42HP / 1U-235MM / 1.2W	CP-MKIT-FAN-42-1 - Power consuption: 12 VDC / 1x 1.2 Watt - Airflow: 1x 95 m^3/h (56cfm) / average of 0.8 m/s (160lfm)
	42HP / 1U-235MM / 5.6W	CP-MKIT-FAN-42-5 - Power consuption: 12 VDC / 4x 1.4 Watt - Airflow: 4x 56 m^3/h (33cfm) / average of 1.1 m/s (220lfm)
DISK DRIVE ASSEMBLY KITS	SINGLE 2.5" SATA HDD/SSD DOUBLE 2.5" SATA HDD/SSD	CP-HDD-S-KIT-S CP-HDD-S-KIT-D
GENERAL*	AMBIENT TEMPERATURE HUMIDITY PROTECTION OVER VOLTAGE CATAGORY PROTECTION CLASS EMI SAFETY	0 °C to +50 °C Up to 93 % RH at 40 °C, non-condensing (acc. To IEC 60068-2-78) IP20 2 1 EN55022 / EN55024 designed to meet EN 62368-1

* All systems described in the ordering list are conform to or better than.

ORDERING INFORMATION

ARTICLE *	DESCRIPTION
COMPACTPCI® CARD CAGE 84HP	
CP-ASM3R-84-P200AC-B0800-STD2 CP-ASM4R-84F-P200AC-B0800-STD2	3U CompactPCI® Rack with RIO option, 84HP, P47-style 200 Watt AC PSU and 8 slot backplane, 4U variant including 1U fantray
CP-ASM3R-84-M120DCWV-B0800-STD2 CP-ASM4R-84F-M120DCWV-B0800-STD2	3U CompactPCI® Rack with RIO option, 84HP, M-style 120 Watt wide range PSU 24, 36, 48, 72, 96, 110 VDC (nominal) operating and 8 slot backplane, 4U variant including 1U fantray
CP-ASM3-84 .... CP-ASM4-84F	Any kind of additional 3U and 4U customized rack assemblies on request
COMPACTPCI® CARD CAGE 42HP	
CP-ASM3-42 .... CP-ASM4-42F ...	3U and 4U customized rack assemblies on request
CP-ASM4R-44F-M180AC-B0500-STD-TT	4U CompactPCI® table top rack with RIO option and fans, 44HP, M-style 180 Watt AC PSU, 5 slot backplane
DISK DRIVE ASSEMBLY KITS	
CP-HDD-S-KIT-S	SATA HDD/SSD carrier, 1 slot backplane, SATA cable
CP-HDD-S-KIT-D	2x SATA HDD/SSD carrier, 2 slot backplane, 2x SATA cable
CP-MKIT-CDROM	on request

*Drives and CompactPCI® boards can be integrated on request. Additional customized rack variants on request.

Dedicated system platforms

Ask for your entire platform solution for 3U CompactPCI®, based on a CP-ASM3/CP-ASM4 rack variant and the right selection out of Kontron's rich CPU blade portfolio, including periphery which fulfills your I/O, storage and networking requirements. Optionally, you may perform the hardware integration yourself. Or, in order to fully concentrade on your application, you may leave the integration to Kontron or your local Kontron integration partner. Consequently, you may leave the platform responsibility to them, comprising co-operability of components, obsolecense management, environmental and EMC criteria of the system.

Dedicated project management

As a global company, Kontron has knowledgeable teams and integration partners to support you in your region. Through your local project manager you have worldwide access to immense specialist know-how. Your project manager guides you securely through the entire design-in process to productionready product by means of a precise gate project plan. This allows you to concentrate on your core business and still retain an overview and full control of development, documentation, and production, including unique test processes, systems and procedures.

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