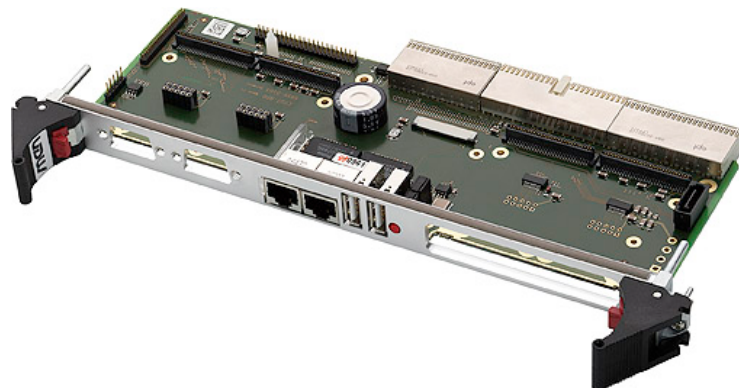# CT7 – 6U CompactPCI® Rear I/O Transition Module for D9

- **6U / 80 mm standard format**
- **2 Gigabit Ethernet**
- **2 USB 2.0**
- **2 UARTs**
- **Up to 2 PIM slots**
- **CompactFlash®**
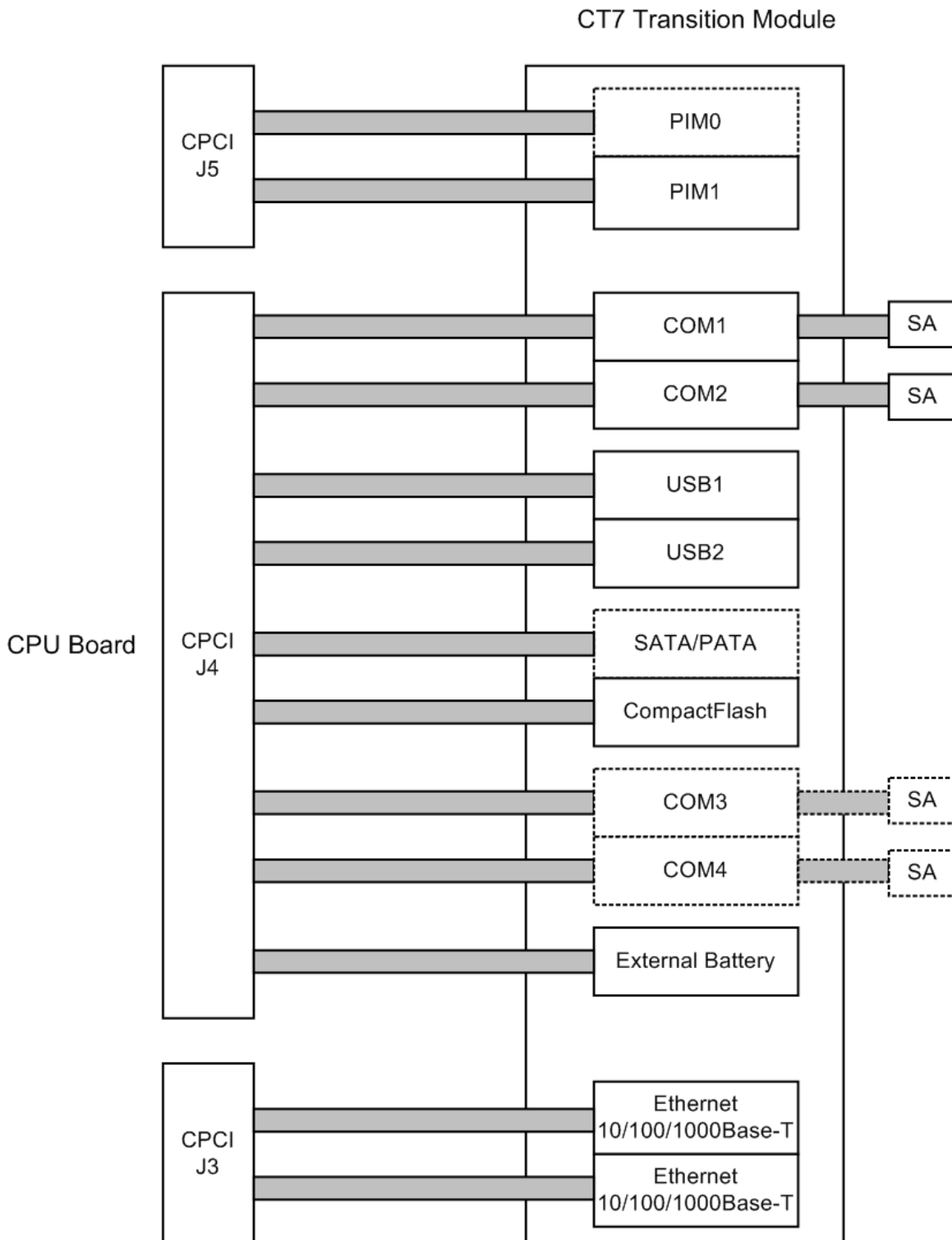- **External battery**

The CT7 is a 6U CompactPCI® rear I/O transition module for use in combination with MEN's 6U Intel®-based CompactPCI® single-board computers.
It is plugged onto J3/J4/J5 of the CompactPCI® backplane system slot from the rear side and leads the rear I/O signals to standard connectors. Consequently, standard cables can be used to connect drives and other peripherals.
If a hard disk is mounted (instead of a CompactFlash® card), the 4HP transition module extends to 8HP, doing then also without one of the two PIM slots.

Diagram

SA | SA-Adapter

CT7 Transition Module

CPCI
J5

PIM0

PIM1

CPU Board

CPCI
J4

COM1 — SA

COM2 — SA

USB1

USB2

SATA/PATA

CompactFlash

COM3 — SA

COM4 — SA

External Battery

CPCI
J3

Ethernet
10/100/1000Base-T

Ethernet
10/100/1000Base-T

Technical Data

Peripheral Connections	■ 1 PIM interface ■ 2 USB ■ 2 Gigabit Ethernet ■ 2 COMs ■ 1 port for CompactFlash®
Miscellaneous	■ External battery ■ Reset button ■ 4 user-defined LEDs (FPGA-controlled)
Electrical Specifications	■ MTBF: 12,666,280h @ 40°C according to IEC/TR 62380 (RDF 2000)
Mechanical Specifications	■ Dimensions: 6U width, 80mm depth, 4HP height (8HP with 2.5" hard disk) ■ Conforming to CompactPCI® Specification 2.0 R2.1 for rear panel I/O boards ■ Conforming to IEEE1101.11, draft 5.0 ■ Weight: 246g (with two SA-Adapters™)
Environmental Specifications	■ Temperature range (operation): 　□ 0..+60°C 　□ Airflow: min. 10m³/h ■ Temperature range (storage): -40..+85°C ■ Relative humidity (operation): max. 95% non-condensing ■ Relative humidity (storage): max. 95% non-condensing ■ Altitude: -300m to + 3,000m ■ Shock: 15g/11ms ■ Bump: 10g/16ms ■ Vibration (sinusoidal): 2g/10..150Hz ■ Conformal coating on request
Safety	■ PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers
EMC	■ Tested according to EN 55022 (radio disturbance), IEC1000-4-2 (ESD) and IEC1000-4-4 (burst)

Configuration & Options

Standard Configurations

Article No.	Ethernet	USB	COMs	PIM Slots	CFlash Slot	Harddisk Slot	Operation Temp.
08CT07-00	2	2	2	1	Yes	No	0..+60°C

Options

Peripheral Connections	■ Two PIM interfaces 　□ Second PIM instead of COM1/COM2 and CompactFlash® ■ 1 PATA or SATA hard disk (instead of one PIM) ■ Up to four COMs 　□ COM3/COM4 instead of PIM or SATA/PATA hard disk

Please note that some of these options may only be available for large volumes. Please ask our sales staff for more information.

Ordering Information

Standard CT7 Models	**08CT07-00**	CompactPCI® rear I/O transition module 6U/80mm, 2 Gb Ethernet, 2 USB 2.0, 2 COMs, 1 PIM slot, 1 CompactFlash® slot, connecting to D9, 0..+60°C
SA-Adapters™		You can find a more detailed overview of possible carrier board/SA-Adapter™ combinations along with software support in our option matrix (PDF).
	08SA01-00	RS232, not optically isolated, 0..+60°C
	08SA02-00	RS422/485, half duplex, optically isolated, 0..+60°C
	08SA02-01	RS422/485, full duplex, optically isolated, 0..+60°C
	08SA02-07	RS422/485, full duplex, optically isolated, -40..+85°C screened
	08SA03-00	1 RS232, optically isolated, 0..+60°C
	08SA03-01	1 RS232, optically isolated, -40..+85°C screened
Documentation	**20CT07-00**	CT7 User Manual

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