

C-IPC AMD Fusion

Compact Industrie PC



The C-IPC is a C-DIAS industrial PC with an AMD Fusion processor. A 7-segment display and three status LEDs provide information on the actual status of the CPU. Two compact Flash cards can be used as program memory. The C-IPC also has an S-DVI interface for a terminal and a USB V1.1 interface.

In addition, an expansion card with 3 VARAN interfaces is built-in (01-450-171-V).

Performance Data

Processor	AMD G-T56N Dual Core 1.65 GHz
Internal program memory (CompactFlash)	1x CompactFlash Type I or II
Internal program memory (SRAM)	256-kbyte (battery powered)
Internal program memory (DDR3-RAM)	1-Gbyte DDR3-RAM
Interfaces	<ul style="list-style-type: none"> 1x Ethernet 10/100 Mbit 1x RS232 – COM1 1x RS232/ RS485/ RS422 – COM2 1x DIAS intelligent (Weidmüller plug and 14-Pin ribbon cable) 1x CAN for a PLC 1x CAN for a terminal 1x S-DVI interface for a terminal (TFT display, USB, CAN keyboard) 1x USV 1x USB V1.1 <p>3x VARAN Manager (01-450-171-V)</p>

Performance Data

Data buffer	lithium battery
Status display	yes
Status LEDs	yes
Real-time clock	yes

Electrical Requirements

Supply voltage	+18 ... +30 V DC, typically +24 V DC UL: Class 2 or LVLC
Current consumption of the power supply (24 V)	maximum 3,2 A (depending on external devices)
Inrush current	maximum 9 A for ~ 17 ms
Available current for DIAS (+5 V)	maximum 1 A
Available current for C-DIAS (+5 V)	maximum 1.2 A

Mechanical Dimensions

C-IPC	130.5 x 145.4 x 121.2 mm (W x H x D)
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Environmental Conditions

Storage temperature	-20 ... +85 °C	
Environmental temperature	+5 ... +50 °C	
Max. Process temperature	+125 °C (automatic cut-off)	
Humidity	0-95 %, non-condensing	
EMC resistance	in accordance with EN 61000-6-2	
EMC noise generation	in accordance with EN 61000-6-4	
Shock resistance	EN 60068-2-27	150 m/s ²
Protection type	EN 60529	IP20

Article Number and Miscellaneous

Article number	C-IPC 171 1 GB Fusion T56N 1 GB DDR3-RAM, 1x 512 MB CompactFlash with expansion card VM 052	01-450-171 01-450-171-V
Hardware version		1.x
Module identification on DIAS bus		no
Project backup		internally on CompactFlash
Standard		UL 508 (E247993)
Approvals		cULus Listed, CE