

C-IPC INTEL Celeron M

Compact Industrie PC



Symbol photo

The C-IPC is a C-DIAS industry PC with an INTEL Celeron M processor. A 7-segment display and three Status-LEDs provide information on the current status of the CPU. Two compact Flash cards can be used as program memory. The C-IPC also has an VGA interface for a display and an USB1.1 interface. In addition, an expansion card with further interface connections is available.

Performance Data

Processor	INTEL Celeron M
Internal program memory (Compact Flash)	2x Compact Flash Type I or II
Internal program memory (SRAM)	256 Kbytes (battery powered)
Internal program memory (SDRAM)	1-Gbyte DDR2 RAM
Interfaces	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 VGA 1x S-DVI interface for a Terminal (TFT display, USB, CAN keyboard) Resolution 1024 x 768 Pixel 1x USV 1x USB1.1
Optional interfaces on the expansion cards:	1x VARAN bus, 1x Ethernet, 1x TTY 20 mA interface (VM 053: 01-460-053) 3x VARAN Manager (VM 052: 01-460-052) 2x VARAN manager, 1x Ethernet (VM 052-3: 01-460-052-3) 2x VARAN Manager (VM 051: 01-460-051) 2x VARAN manager, 1x VARAN Client (VMC 052: 01-465-052) 3x VARAN for VARAN Analyzer (VA 062: 01-460-062)

Performance Data

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

Electrical Requirements

Supply voltage	24 - 30 V DC
Supply voltage Current consumption	up to 5 A (depending on the external devices)
Starting current at +24 V	for a very short time (~5 ms) : 35 A
Available current for DIAS (+5 V)	maximum 1 A
Available current for C-DIAS (+5 V)	maximum 1.2 A

Standard Configuration

Ethernet	IP 10.10.150.1	Subnet-Mask: 255.0.0.0
CAN bus PLC	station: 00	baud rate: 01 = 615 kBaud
CAN bus Terminal	station: 00	baud rate: 01 = 615 kBaud
COM 1 (RS232)	57600 Baud	
COM 2 (RS232)	57600 Baud	

Environmental Conditions

Storage temperature	-20 – +85 °C	
Operating temperature	+5 - +50 °C	
Max. Process temperature	+125 °C (automatic cut-off)	
Humidity	0 - 95 %, non-condensing	
EMC stability	According to EN 50082 section 2 (industry area)	
Shock resistance	EN 60068-2-27	150 m/s ²
Protection Type	EN 60529	IP 20

Mechanical Dimensions

C-IPC	130,5 mm x 145,4 mm x 121,2 mm (W x H x D)
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Article Number and Miscellaneous

Article number	C-IPC 152 1-Gbyte Celeron M440 1-Gbyte DDR2 RAM and 256 MB Compact Flash	01-450-152
Hardware version	1.x	
Module identification on DIAS bus	no	
Project back-up	internally on Compact Flash	