

C-IPC LX800

Compact Industrie PC



Symbol photo

The C-IPC is a C-DIAS industrial PC with an AMD Geode LX800 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 further interface connections is available.

Performance Data

Processor	AMD Geode LX800
Internal program memory (CompactFlash)	2x CompactFlash Type I or II
Internal program memory (SRAM)	256-kbyte (battery powered)
Internal program memory (SDRAM)	256-512-Mbyte DDR-RAM
Interfaces	<ul style="list-style-type: none"> 3x VARAN Manager 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
Optional interfaces on the expansion cards:	<ul style="list-style-type: none"> 1x VARAN bus, 1x Ethernet, 1x TTY 20 mA interface (VM 053: 01-460-053) 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
Current consumption of voltage supply	up to 4 A (depending on the CPU and external devices)
Inrush current	for a very short time (~5 ms): 15 A
Available current for DIAS (+5 V)	maximum 1 A
Available current for S-DVI (+24 V)	maximum 2 A

Standard Configuration

Ethernet	IP 10.10.150.1	Subnet-Mask: 255.0.0.0
CAN bus PLC	station: 00	baud rate: 01 = 500 kBaud
CAN bus Terminal	station: 00	baud rate: 01 = 500 kBaud
COM 1 (RS232)	57600 Baud	
COM 2 (RS232)	57600 Baud	

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	
Maximum process temperature	+85 °C (automatic cut-off)	
Environmental temperature	+5 ... +50 °C	
Humidity	0-95 %, non-condensing	
EMC stability	in accordance with EN 50082 section 2 (industry area)	
Shock resistance	EN 60068-2-27	150 m/s ²
Protection type	EN 60529	IP20

Article Number and Miscellaneous

Article number	AMD LX800 256 MB DDR-RAM and 128 MB CompactFlash 01-450-031-V
Hardware version	1.x
Module identification on DIAS bus	no
Standard	UL (E247993)
Project backup	internally on CompactFlash