758-874

SPS - I/O-IPC-C6 Linux 2.6

Industrial PC with Celeron®M 600 MHz

Compact and robust, the WAGO-I/O-IPC-C6 is designed for general control applications. The high-performance IPC can fully perform controlling, monitoring and visualization tasks.

The I/O-IPC features 600 MHz Celeron® M processor and all standard PC interfaces (e.g., 2 x USB, RS-232, DVI-I and 2 x ETHERNET).

Depending on the application, WAGO-I/O-SYSTEM modules are connected to the I/O-IPC to suit the particular task. Two opto-isolated digital I/Os (24VDC) are directly integrated for fast signal transmission.

With optional CANopen and PROFIBUS DP fieldbuses in master version, the I/O-IPC may also function as a main PLC in industrial environments.

Using Linux operating system and optional CoDeSys PLC software, including CoDeSys visualization, a stable and high-performance automation system featuring universal communication characteristics is available for long-term, reliable service.

Description	Item No.	Pack. Unit
I/O-IPC-C6 Linux 2.6 CoDeSys Visu	**758-874/000-110**	1
I/O-IPC-C6 Linux 2.6 CoDeSys Visu	**758-874/000-111**	1
PROFIBUS DP Master		
I/O-IPC-C6 Linux 2.6 CoDeSys Visu	**758-874/000-112**	1
CANopen Master		
I/O-IPC-C6 Linux 2.6 CoDeSys Visu	**758-874/000-130**	1
Telecontrol		
I/O-IPC-C6 Linux 2.6 CoDeSys Visu	**758-874/000-131**	1
Telecontrol PDP-M		

Accessories	Item No.	Pack. Unit
WAGO-I/O-PRO V2.3, RS-232 kit	**759-333**	1
CF memory card, 1 GB	**758-879/000-000**	1
Miniature WSB Quick marking system		
plain	**248-501**	5
with marking	see pages 352 ... 353	
Memory cards, connection cables	see page 519	

Approvals	Also see "Approvals Overview" in Section 1
Conformity marking	CE
UL 508	

Technical Data	
Number of I/O modules (per node)	64
with bus extension	250
Max. input process image	500 bytes
Max. output process image	500 bytes
CPU	Celeron®M; 600 MHz
Main memory (RAM)	256 Mbytes
Internal memory (flash)	512 Mbytes
Non-volatile memory (retain)	1024 Kbytes
Bios	Insyde
Graphic	DVI, 1280*1024; LCD / Panellink
Memory expansion	Compact Flash Type I/II
LAN	2 x 10Base-T/100Base-TX
Fieldbus (optional)	PROFIBUS DP master, CANopen master
Libraries	Telecontrol: IEC 60870-5-101/-104, 3964R/RK512, IEC 61850, IEC 61400-25 (applies to 758-874/000-13x)

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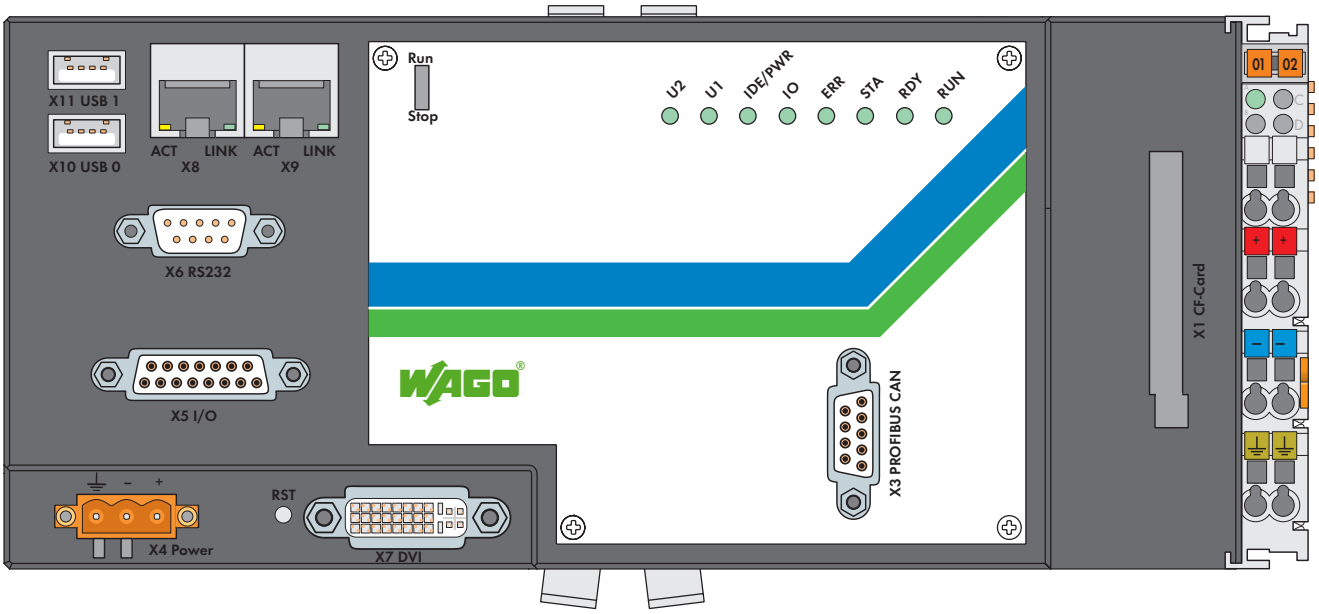
Celeron® is a registered trade mark of Intel Corporation.



Technical Data

I/O interfaces (serial)	1 x serial interface;
	COM 1 acc. to EIA RS-232 standard;
	9-pole D-Sub plug
I/O interfaces (USB)	2 x USB port acc. to Specification 2.0
Additional interfaces	2 x digital output, isolated;
	2 x digital input, isolated
Diagnostic LEDs	Power supply;
	Watchdog;
	PROFIBUS DP, CANopen;
	Run/Stop;
	IDE;
	Internal data bus
Programming	WAGO-I/O-PRO CAA
IEC 61131-3	IL, LD, FBD, ST, FC
Operating system	Linux 2.6 with RT-Preempt patch
RT support	1024 KB PLC SRAM battery backup;
	NMI timer
Watchdog	Trigger interval 400 ms (reset triggered at
	time-out)
Power supply	24 V DC (-25 % ... +30 %)
Max. input current (24 V)	770 mA
Total current for I/O modules (5 V)	1000 mA
Ambient conditions	
Operating temperature	0°C ... +55°C
Storage temperature	-10 °C ... +85 °C
Vibration resistance	
Operation	0.5 G, 10-500 Hz
Storage/transit	1 G, 10-500 Hz
Shock resistance	
Operation	5 g, 11 ms, 6 axis
Storage/transit	30 g, 11 ms., 6 axis
Humidity	
Operation	5-90 %, non condensing at 50 °C
Storage/transit	0-90 %, non condensing at 50 °C
Altitude	
Operation	0 m ... 2000 m
Storage/transit	0 m ... 15000 m

Technical Data

Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Dimensions (mm) W x H x L	236 x 70 x 100
	Height from upper-edge of DIN 35 rail
Weight	1556 g
Degree of protection	IP20 acc. to DIN 40050
Type of mounting	DIN 35 rail
Housing material	Aluminum
EMC: CE - immunity to interference	acc. to EN 61000-6-2 (2005)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)