



- Ethernet-Switch • Digital input for encoder (optional) • Line IN/OUT (optional)
- Potential separation between the interfaces themselves

Specification	
Graphic display	VGA - 10,4" TFT, 640 x 480 pixel, 16,2 M colours SVGA - 10,4" TFT, 800 x 600 pixel, 16,2 M colours
Input	Touchscreen resistiv
Audio	Beeper, optional: audio IN, audio OUT
Memory	256 MB RAM, 512 MB Flash, 1 MB NVRAM
Memory expansion	SD Card, SDHC Card up to 32 GB*
Processor	32 Bit Cortex-A8 RISC CPU 600 MHz
Data buffering	Persistent data in flash, real-time clock and Retain Data battery- buffered
Software	
Operating system	Microsoft Windows Embedded Compact 7
PLC programming	IEC 61131-3, CoDeSys V2.3 or CODESYS V3.x
HMI programming	elaDesign (optional TargetVisu)
C, C++ and C# programming	Microsoft Visual Studio 2005/2008 (Visual C++) with SDK
Interface	
Ethernet	2 x 10/100 BASE-T, RJ45
Fieldbus interface	1 x CAN acc. ISO 11898 with galvanic isolation, RJ45, switch-mode 1 x CAN acc. ISO 11898 with galvanic isolation, D-Sub-9 plug
Serial interface	1 x RS-232 with galvanic isolation, D-Sub-9 plug 1 x RS-232 and RS-422/RS-485 with galvanic isolation D-Sub-9 plug
USB	2 x 2.0 Host, Typ A
Encoder inputs	optional: incremental encoder
Audio	Beeper, optional: Line IN, Line OUT
Ordering number	
24752.0000	PMC410V/ED/CS2/elrest
247B2.0000	PMC410S/ED/CS2/elrest

Environment/mechanical values	
Supply voltage	24 V DC (18 V...30 V), 10 W...18 W
Housing	Aluminium anodized
EMC examinations	EN 61000-6-2, EN 61000-6-4
Environment audit	EN 60068-2-6, EN 60068-2-27
IP Rating	Front IP54, Back IP20 acc. EN 60529
Mounting	With terminal blocks
Outside dimension in mm (W x H x D)	284 x 222 x 46
Cut-out dimension in mm (W x H)	268 x 206
Weight approx.	1750 g
Operating temperature	0 °C...50 °C
Storage temperature	-20 °C...70 °C
Relative humidity (operation/storage)	10 ...85 %, no condensation
Air pressure (storage)	min. 660 hPa, corresponding to a height of max. 3500m
Air pressure (operation)	min. 795 hPa, corresponding to a height of max. 2000m
Concentration of pollutants (operation/storage)	SO <sub>2</sub> : < 0,5 ppm; relative humidity < 60 %, no condensation H <sub>2</sub> S: < 0,1 ppm; relative humidity < 60 %, no condensation
Applications	
	in many industries such as plastics, medical- and automation technology

Illustrations, descriptions, dimensions and specifications correspond to the circumstances or intentions at the time of printing this brochure. Changes of any kind, especially those resulting from technological progress, economic performance or a similar will be without notice. The external interconnection of equipment will be on your own responsibility

**\*Remark:** The use of standard memory card (e.g. CF-cards is generally possible. Anyhow elrest GmbH does not take any responsibility thereby.

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