

Data Sheet

SMARTcontrol IPC

Control panel with CODESYS HMI visualization



Product	Touch 7	Touch 12	Touch 15
Ord. No.	981-120130	981-120230	981-120330
Power Supply			
Supply voltage	24 V DC \pm 25 %	24 V DC \pm 25 %	24 V DC \pm 25 %
Power consumption	20,6 W	28,8 W	40,3 W
Touch Panel			
Touch technology	projected capacitive	projected capacitive	projected capacitive
Screen size	7,0" (17,78 cm) TFT	12,1" (30,7 cm) TFT	12,1" (30,7 cm) TFT
Resolution	800x480 pixels	1024x768 pixels	1280 x 1024 pixels
Brightness	400 cd/m ²	500 cd/m ²	500 cd/m ²
Viewing angle (H/V)	160°/160°	160°/160°	160°/160°
Response time	30 ms	17 ms	17 ms
Contrast	500:1	700:1	700:1
Colors	262K	262K	262K
Backlight	LED	LED	LED
System Hardware			
CPU	Atom N2600 1,60 GHz		
Graphics	GMA 3600 400 MHz		
Memory	2 GB		
Chipset	Intel NM10		
Storage	SSD (mSATA, 4 GB)		
Interfaces	Ethernet (10/100/1000)		
Interfaces (optional)	RS 232/422/485, USB 2.0		
Watchdog timer	programmable (1 - 255 s)		



System Environment

Casing front	protected acc to P69K
Casing	protected acc to IP65
Shocks and vibrations	no rotating parts
Operating temperature	0 °C - 50 °C
Humidity	5 - 90%
Cooling	passive

Casing

Material	V2A stainless steel
Glas front panel	VSG safety glass
Color	customer-specific

Dimensions

Frame width (external)	227 mm	385 mm	447 mm
Frame hight (external)	166 mm	265 mm	373 mm
Frame width (internal)	201 mm	356 mm	441 mm
Frame hight (internal)	135 mm	236 mm	337 mm
Casing depth	74 mm	96 mm	100 mm
Glas panel thickness	5 mm	5 mm	5 mm

Weight

System	1,9 kg	4,9 kg	8,9 kg
--------	--------	--------	--------

System Software

OS	Windows Embedded 7
Development environment	CODESYS V 3.5
Visualization	CODESYS HMI



Subject to change, © SMART IN OVATION GmbH

Data Sheet SMARTcontrol IPC PDF V1.01 // Issued: 01.2014
 Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. ADLATUS®, FlashCedere®, Intel®, Intel Atom®, CANopen®, FlexRay®, CODESYS® and Linux® are registered trademarks of their respective owners. All product designations may be trademarks or product names of SMART IN OVATION GmbH or other

www.sio-gmbh.de