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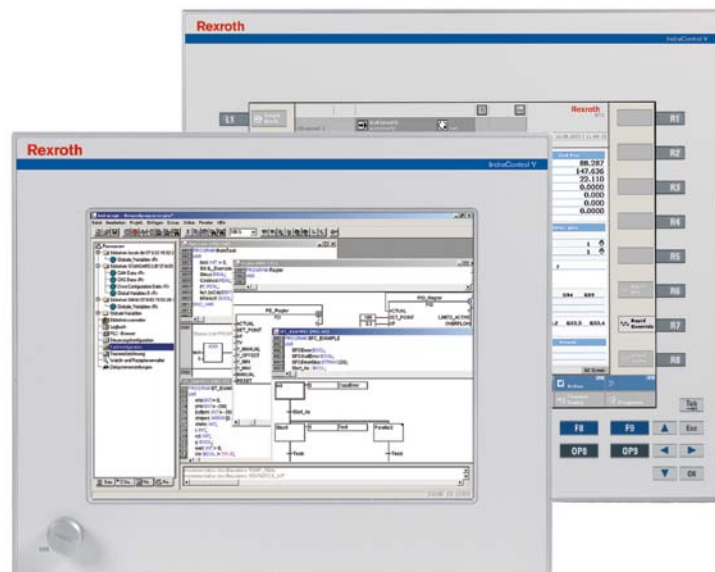
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Panel PC

12" display

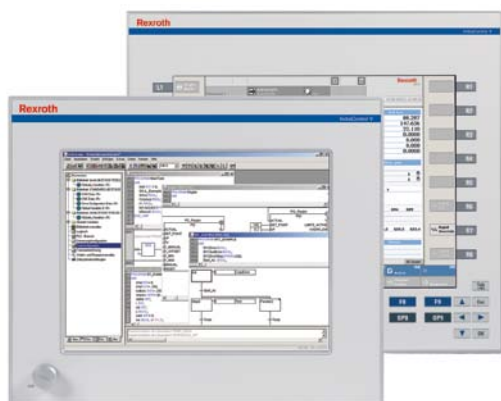
IndraControl VPP 16



Panel PC

**12" display ■ IndraControl VPP 16****Documentation**

- Project planning manual

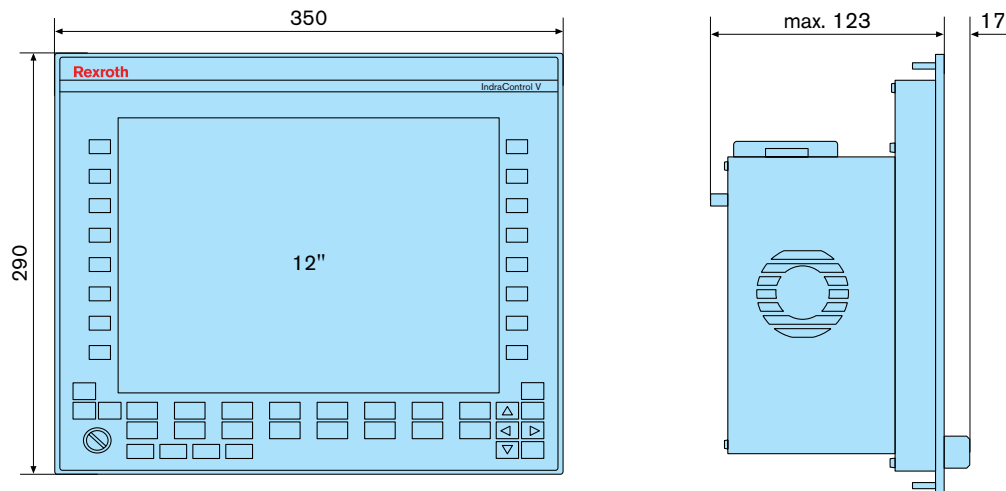
**Technical data**

	VPP 16.3 BK	VPP 16.3 DB
Processor		
CPU	Celeron P4500 1.86 GHz Core i5-520M 2.4 GHz Core i7-620M 2.66 GHz	
Operating system	Windows XP Windows 7	
Hardware		
PCI/PCIe slots	1/0; 2/0; 1/1; 4/0; 2/2	
Hard disk	1 x 320 GB (Standard)	
Hard disk (RAID 1)	2 x 320 GB (Option)	
Solid State Disk SSD	192 GB (Option)	
DVD-ROM/DVD-RW	DVD burner (Option)	
Memory		
Use / application	2 GB 4 GB	2 GB 4 GB
Display		
Type	TFT	
Size	30.5 cm (12")	
Colors/gray scales	256.000	
	Colors	
Resolution	800 x 600	
Operation		
Type	Keyboard operation	Touch operation
Function keys	16	0
Machine keys	16	0
Additional keys	14	0
Keyboard	Additional component VAK	
Status LED	Voltage	
	Hard disk	
	Temperature	
	UPS	

Panel PC

**12" display ■ IndraControl VPP 16**

Interfaces	
Ethernet	2 x Ethernet TCP/IP
USB	1 x USB 2.0 front
	6 x USB 2.0
External service monitor	1 x VGA
Electrical data	
Power supply U	24 V DC
$U_{\min} \dots U_{\max}$	19 V DC ... 30 V DC
Power consumption	160 W
UPS	External
Protection	
Degree of protection front	IP65
Degree of protection rear	IP20
Miscellaneous	
Colors	RAL 7035 light gray
Load	
Vibration resistance	1 g
Shock resistance	15 g
Norms and Standards	
Certification	CE/UL/CSA
Environmental conditions	
Permissible temperature (operation)	+5 °C ... +45 °C
Permissible humidity (operation)	5% ... 85%, EN 61131-2
Weight	
Mass, 1/2 slot	4,9 kg
Mass, 4 slot	5,7 kg

**Dimensions**

Panel PC

**12" display ■ IndraControl VPP 16**

		VPP 16.3 BK	VPP 16.3 DB
<b>Dimensions</b>			
Height H, 1 slot	[mm]	290	290
Width B, 1 slot	[mm]	350	350
Length T, 1 slot	[mm]	115	115
Length T, 2 slot	[mm]	141.5	141.5
Height H, 4 slot	[mm]	290	290
Width B, 4 slot	[mm]	350	350
Length T, 4 slot	[mm]	123	123
Screen size X	[mm / "]	305 / 12	305 / 12

**Ordering information**

Type code	Description	Material number:
VPP16.3DBM-4G0NN-D5D-DN-NN-FW	IndraControl VPP16.3, 30.5 cm (12") display, touch screen, Core i7-620M, 2.66 GHz, 4 GB RAM, 4x PCI slots, 320 GB HDD	R911172985

Type code	Description	Material number:
VAP01.1H-W23-024-010-NN	24 V DC power supply unit, 100-120/200-240 V AC Auto Select	R911171065
VAU01.1U-024-024-240-NN	Uninterrupted power supply UPS, 24 V DC, 240 watts	R911171024

Type code	Description	Material number:
FWA-VS3VP3-WXP-03VRS-A0-OEM	Firmware, operating system Windows XP, English with MUI language extensions (German, French, Italian, Spanish, Portuguese, Swedish)	R911172447
FWA-VS3VP3-WXP-03VRS-A0-OEM A1	Firmware, operating system Windows XP, English with MUI language extensions (German, French, Italian, Spanish, Portuguese, Swedish) and Acronis data backup software	R911172448
FWA-VP3***-W7*-01VRS-A0-OEM	Firmware, operating system Windows 7 (64-bit), English with language extensions (German, French, Italian, Spanish, Portuguese, Swedish)	R911172607
FWA-VP3***-W7*-01VRS-A0-OEM A1	Firmware, operating system Windows 7 (64-bit), English with language extensions (German, French, Italian, Spanish, Portuguese, Swedish) and Acronis data backup software	R911172608

Type code	Description	Material number:
DOK-SUPPL*-VPP*XX.3***-PR03-DE-P	IndraControl VPP project planning manual (DE)	R911323510
DOK-SUPPL*-VPP*XX.3***-PR03-EN-P	IndraControl VPP project planning manual (EN)	R911323511

**Accessories****Auxiliary components**

Description		
HMI/industrial PC	Accessories	IndraControl VAC, VAP, VAU

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It must be remembered that our products are subject to a natural process of wear and aging.