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R&S®PSL1
Industrial Controller
Specifications



ROHDE&SCHWARZ

Test & Measurement

Data Sheet | 03.00

Specifications

CPU		Intel Celeron M Processor 370 “Dothan” 1.5 GHz or better
Memory	2nd level cache	1 Mbyte
	RAM	
	model .14 and model .24	1 Gbyte
	model .34	2 Gbyte
Drives		
Hard disk	model .14	40 Gbyte or better
	model .24 and model .34	100 Gbyte or better
DVD/CD-RW combination drive	CD	up to 700 Mbyte, CD-R read/write 24×/24× or better, CD-RW read/write 24×/10× or better
	DVD	up to 8.5 Gbyte or better, DVD read 8× or better, DVD write 8× or better
Internal interfaces		
PCI		1 slot, max. 32 bit, 200 mm × 106 mm (7.9 in × 4.2 in)
External interfaces		
Display		
DVI	max. resolution 1280 × 1024	DVI-D connector (front)
VGA	max. resolution 1600 × 1200	15-pin D-Sub connector (rear)
USB	model .14 and model .24	1 × USB 1.1, 3 × USB 2.0, 2 × front/2 × rear
	model .34	1 × USB 1.1, 2 × USB 2.0, 1 × front/2 × rear
Ethernet		1 × 10/100/1000 Mbit/s, RJ-45 (rear), 1 × 10/100 Mbit/s, RJ-45 (front)
IEC/IEEE	model .14	IEC 60625-2 (IEEE 488.2), NI TNT-compatible, 24-pin Amphenol connector (rear)
Serial	model .14	1 × RS-232-C (COM), 9-pin D-Sub connector (front)
	model .24 and model .34	1 × RS-232-C (COM), 9-pin D-Sub connector (front), 5 × RS-232-C (COM), 50-pin D-Sub HD connector (rear)
Audio	model .24 and model .34	Line-In, Line-Out (stereo), Mic-In (mono), 3 × 3.5 mm connectors (rear)
Software		
BIOS		AWARD
Operating system (optional)		Windows XP Embedded (English)

General data

Environmental conditions		
Temperature	operating temperature range	+5 °C to +45 °C
	storage temperature range	–25 °C to +60 °C
Relative humidity	+40 °C, non-condensing	80 %

Product conformity		
Electromagnetic compatibility	EU EMC Directive 2004/108/EC	in line with EN 61326-1 (industrial environment) EN 61326-2-1 EN 55011 (class B) EN 61000-3-2 EN 61000-3-3
Electrical safety	EU Low Voltage Directive 2006/95/EC	in line with EN 61010-1

Mechanical resistance		
Vibration	sinusoidal	in line with EN 60068-2-6 5 Hz to 55 Hz, 0.15 mm amplitude const. 55 Hz to 150 Hz, 0.5 g const.
	random	in line with EN 60068-2-64 10 Hz to 300 Hz, acceleration 1.2 g RMS
Shock		in line with MIL-STD-810 40 g shock spectrum

Power supply		
Input	AC	100 V to 240 V (± 10 %), 50 Hz to 60 Hz, 1.2 A to 0.15 A
Power consumption	base unit	35 W

Physical data		
Dimensions (W × H × D)		465.1 mm × 59.6 mm × 517 mm (18.3 in × 2.3 in × 20.4 in) (19“; 1 height unit)
Weight (base unit)		approx. 5 kg (11 lb)

Ordering information

Designation	**Type**	**Order No.**
Industrial Controller	R&S®PSL1 (model .14)	1161.5000.14
	R&S®PSL1 (model .24)	1161.5000.24
	R&S®PSL1 (model .34)	1161.5000.34
Accessories supplied: manual, driver CD, power cable		
Options		
Keyboard, USB, US character set	R&S®PSL-Z2	1157.6870.04
Mouse, optical, USB	R&S®PSL-Z10	1157.7060.03
Operating System Windows XP Embedded (English)	R&S®PSL-K12	1157.7160.04
TFT Monitor 17”	R&S®PMC3	1082.6004.11
19” Rack Adapter for R&S®PSL1	R&S®ZZA-111	1096.3254.00
IEC/IEEE Bus Cables		
0.5 m	R&S®PCK	0292.2013.05
1 m	R&S®PCK	0292.2013.10
2 m	R&S®PCK	0292.2013.20
4 m	R&S®PCK	0292.2013.40
Memory Extension	R&S®PSL-B2	1157.7460.02

For product brochure, see PD 0758.2219.12 and www.rohde-schwarz.com

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