

# R&S® PSL3 Industrial Controller Specifications



Data without tolerance limits is not binding.

# Specifications

## Hardware

CPU		Intel Core® 2 Duo processor T7500 2.2 GHz or faster
Memory		L2 cache, 4 Mbyte DDR2 RAM, 4 Gbyte
Drives		
Hard disk	second hard disk with R&S®PSL-B7 option	3.5", 250 Gbyte or larger
DVD combo drive		
CD		CD-R, CD-RW read and write
DVD		DVD±R, DVD±R double layer, DVD±RW read and write

## Interfaces

Internal interfaces		
Free slots		
PCI		4 × 32 bit, max. 330 mm × 106 mm
PCI Express		1 × PCIe×1 1 × PCIe×4 max. 312 mm × 111 mm

External interfaces		
Display		max. 1920 × 1200 pixel
DVI		DVI female connector (dual single link)
VGA		15-contact high-density D-Sub female connector
USB	2 × front panel, 3 × rear panel	5 × USB 2.0
Ethernet	1 × front panel, 1 × rear panel	2 × 10/100/1000 Mbit/s, RJ-45
IEC/IEEE		IEC 60625-2 (IEEE 488.2), compatible with NI TNT, 24-contact Amphenol connector

## Software

BIOS		AWARD
Operating system (optional)		Windows XP Embedded 32 bit (English)

## General data

<b>Environmental conditions</b>		
Temperature		
Operating temperature range		+5 °C to +40 °C
Storage temperature range		-20 °C to +60 °C
Damp heat		in line EN 60068-2-30, +25 °C/+40 °C, 95 % rel. humidity, cyclic non-operating mode
<b>Mechanical resistance</b>		
Vibration	sinusoidal	in line with EN 60068-2-6, 5 Hz to 55 Hz, 0.15 mm amplitude constant, 55 Hz to 150 Hz, 0.5 g constant
	random	in line with EN 60068-2-64, 10 Hz to 300 Hz, acceleration 1.2 g RMS
Shock		in line with MIL-STD-810E, method no. 516.4, procedure I, 40 g shock spectrum
<b>Power supply</b>		
Rated voltage		100 V to 240 V (AC) ± 10 %
Rated frequency		50 Hz to 60 Hz ± 5 %
Rated current		2.2 A to 0.15 A
<b>Conformity</b>		
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
<b>Dimensions and weight</b>		
Dimensions	W × H × D	465 mm × 150 mm × 517 mm (18.3 in × 4.28 in × 19.48 in) (19"; 3 height units)
Weight	base unit	approx. 9.5 kg (20.94 lb)

## Ordering information

Designation	Type	Order No.
<b>Base unit</b>		
Industrial Controller	R&S®PSL3	1161.5000.05
<b>Accessories supplied</b>		
Operating manual, software driver (CD), power cable		
<b>Options</b>		
Second Hard Disk, 250 Gbyte	R&S®PSL-B7	1157.6470.xx
<b>Accessories</b>		
Keyboard, US character set, USB	R&S®PSL-Z2	1157.6870.xx
Mouse, optical, USB	R&S®PSL-Z10	1157.7060.xx
Windows XP Embedded Operating System 32 bit (English)	R&S®PSL-K12	1157.7160.05
17" TFT Monitor	R&S®PMC3	1082.6004.xx
19" Rack Adapter for R&S®PSL3	R&S®ZZA-311	1096.3277.00
<b>IEC/IEEE Bus Cable</b>		
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

For product brochure, see PD 0758.0216.12 and [www.rohde-schwarz.com](http://www.rohde-schwarz.com).

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## About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

## Environmental commitment

- | Energy-efficient products
- | Continuous improvement in environmental sustainability
- | ISO 14001-certified environmental management system

Certified Quality System  
**ISO 9001**

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Subject to change

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