# R&S®PSL1
# Industrial Controller
# Specifications

![ROHDE & SCHWARZ]

# 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<br>EN 61326-1 (industrial environment)<br>EN 61326-2-1<br>EN 55011 (class B)<br>EN 61000-3-2<br>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<br>5 Hz to 55 Hz, 0.15 mm amplitude const.<br><br>55 Hz to 150 Hz, 0.5 g const. |
| | random | in line with EN 60068-2-64<br>10 Hz to 300 Hz, acceleration 1.2 g RMS |
| Shock | | in line with MIL-STD-810<br>40 g shock spectrum |

| Power supply | | |
|---|---|---|
| Input | AC | 100 V to 240 V (± 10 %),<br>50 Hz to 60 Hz,<br>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<br>(18.3 in × 2.3 in × 20.4 in)<br>(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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❙ ISO 14001-certified environmental management system

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ISO 9001

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