







YAWiD electronics GmbH

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P.U.R.E. · GSM · UMTS · Java™ Wireless Terminal

| | P.U.R.E. EHS5 | |
|------------------------------|--|---|
| GSM Frequencies | Dual band GSM EHS5-E: 900 and 1800 MHz EHS5-US: 850 and 1900 MHz |     |
| UMTS Frequencies | Dual band UMTS (WCDMA/FDD) EHS5-E: 900 and 2100 MHz EHS5-US: 850 and 1900 MHz | |
| Command Sets | AT commands (Hayes, TS 27.007 and 27.005) TCP/IP stack and transparent TCP services | |
| IP Data Transmission | HSDPA/HSUPA (DL/UL: max. 7,2/5,76 Mbps) EDGE class 12 (DL/UL: max. 237 kbps) GPRS class 12 (DL/UL: max. 85,6 kbps) | |
| Data Transmission | CSD (max. 9.6 kbps, V.110, non-transparent) SMS (text and PDU mode) | |
| Supply Voltage | 8 to 48 VDC | |
| Dimensions | 58,4 mm x 40,6 mm x 22,9 mm | |
| Weight | 45 g | |
| Operating temperature | -40°C to +85°C | |

| Special Features | Java™ Open Platform | Interfaces |
|---|--|--|
| Informal network scan RLS monitoring (jamming detection) Multiplexer according 3GPP TS 27.010 | Java™ profile IMP-NG & CLDC 1.1 HI; Java™ ME 3.2 | V.24/V.28 EIA-232 interface, 9-pole D-sub female socket, up to 920 kbps, autobauding |
| Firmware update via USB, serial interface or over-the-air (FOTA) | Multi-threading programming Multi-application execution | USB 2.0, type micro B, high speed (480 Mbit/s) and full speed (12 Mbit/s) interface |
| Real time clock with alarm functionality | 10 MB Flash File System 6 MB RAM | USB modem port USB communication ports Debug modem port |
| Configurable enhanced watchdog | Secure data transmission with HTTPS/SSL | SMA GSM/UMTS antenna connector (female) |
| Configurable auto-start and re-start (always-on) | | Snap-in power supply connector (6-pole modular jack) |
| Protocols of power-up, re-start and watchdog events | Drivers | Mini SIM card reader; 1,8V and 3,0V; optional embedded SIM IC (MIM) |
| SMS messages at power-up, re-start and watchdog events | USB for Microsoft® Windows XP™, Vista™, 7™ and 8™ | 2 LED for power and network status |
| Input voltage measurement | RIL, USB driver for Microsoft® Windows Embedded Handheld™ ≥ 6.x | |
| | MUX driver for Microsoft® Windows XP™, Vista™ and 7™ | |
| | USB compliant mode for Linux and Mac | |

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Die Abbildungen zeigen teilweise Zubehör gegen Mehrpreis.

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The figures may show accessories at additional cost.



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P.U.R.E. - GSM - UMTS - Java™ Wireless Terminal

| P.U.R.E. - GPS | P.U.R.E. - io | P.U.R.E. - 422/485 | P.U.R.E. - PHS | P.U.R.E. - LTE |
|--|--|---|---|---|
| | | | | |
| Special Features | Special Features | Special Features | Special Features | Special Features |
| GPS/GNSS Receiver | Galvanic isolated inputs and outputs | Galvanic isolated EIA-422/485 interface | Enhanced UMTS DL/UL: max. 14,4/5,76 Mbps | LTE frequency bands 800/900/1800/2600 MHz |
| GPS L1 C/A (NMEA) GLONASS L1 FDMA ⁽¹⁾ | Up to 4 galvanic isolated inputs | Half and full duplex mode | GSM ◻ GPRS ◻ EDGE ◻ HSPA+ | GSM ◻ GPRS ◻ EDGE ◻ HSPA+ ◻ LTE |
| Prepared for QZSS and Galileo | Up to 4 galvanic isolated outputs | 1200 to 920 kbps | Diversity antenna ⁽¹⁾ | Diversity/MIMO antenna ⁽¹⁾ |
| Accuracy up to 2,5 m Cold start up to 29 s Aided start up to 5 s | Max. input/switching voltage: 48 V _{DC} | Switchable terminal resistor | Satellite receiver ⁽¹⁾ , GNSS ⁽²⁾ | Satellite receiver ⁽¹⁾ , GNSS ⁽²⁾ |
| Switchable GNSS antenna supply | Max. load current: 600 mA _{rms/DC} | | Switchable GNSS antenna supply | Switchable GNSS antenna supply |
| SMP GNSS antenna connector (female) | 4 programmable LED | | | |
| Increased jamming immunity | | | | |
| Time pulse LED | | | | |
| | | | | |

⁽¹⁾ optional, on request ⁽²⁾ GNSS: Global Navigation Satellite System

P.U.R.E. - Accessories

| Power Supply | GSM/UMTS Antenna | GSM/UMTS Antenna | Mounting Bracket | EIA-232 Cable | USB/EIA-232 Adapter |
|------------------|----------------------------|--------------------------|-------------------|-------------------|-----------------------|
| | | | | | |
| YAWiD No. 410001 | YAWiD No. 420081 | YAWiD No. 420071/12 | YAWiD No. 540038 | YAWiD No. 430101 | YAWiD No. 130001 |
| RJ12 Cable | Combo Antenna GPS/GSM/UMTS | SMP to SMA Cable Adapter | DIN Mounting Clip | USB Micro B Cable | EIA-232 Level Shifter |
| | | | | | |
| YAWiD No. 410010 | YAWiD No. 420091 | YAWiD No. 430049 | YAWiD No. 540008 | YAWiD No. 430099 | YAWiD No. 130002 |

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