

W6 Compact v.1.0.0

Technical Data

Housing dimensions (HxWxD)	120 x 35 x 110 mm
Housing type	DIN rail housing (for DIN rail version EN 60715)
Housing material	Self-extinguishing blend PC/ABS
Weight	approx. 200 g
Protection class	IP20
Power supply	9 -28 V DC (When going to shutdown, the minimum required voltage is 6.5V DC). Reverse polarity protected.
Max. power consumption	25W (incl. 900 mA total USB load)
Operating temperature	-25 °C to +55 °C
Storage temperature	-40 °C to +85 °C
Humidity (40 °C)	up to 93 % (non-condensing)
Interfaces	- Gigabit Ethernet - 2.4GHz IEEE 802.11b/g/n wireless LAN, Bluetooth 4.2, BLE - 1 x USB 2.0 interface with OTG - SIM card slot, supports 1.8V/3V SIM card
Connectors	- 1 x 2-pole removable screw-type terminal for power supply - 1 x 2-pole removable screw-type terminal for shutdown command - 1 x 3-pole removable screw type terminal for RS485 interfacing - Antenna SMA JACK STR 50 OHM PCB Female
Processor	Broadcom BCM2710A1, quad-core 64-bit SoC
Clock rate	1 GHz
Processor cooling	Passive with heat sink
RAM	512 MB LPDDR2
SD Memory	8 GB to 32 GB
Compatible modules for system expansion	W6-Supercap
Optical indicator	- 1 Blue LED for Network connection - 1 Green LED for Power Supply - 1 Green LED for USB operational - 1 RGB LED for signal strenght - 1 Blue LED for Communication status
Conformity	CE, RoHS
Lifetime	December 2027

WARNINGS

- This product should be operated in a well-ventilated environment, and if used inside a case, the case should not be covered.
- Whilst in use, this product should be placed on a stable, flat, non-conductive surface, and should not be contacted by conductive items.
- The connection of incompatible devices to the device may affect compliance, result in damage to the unit, and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met.
- The cables and connectors of all peripherals used with this product must have adequate insulation so that relevant safety requirements are met.

SAFETY INSTRUCTIONS

To avoid malfunction or damage to this product, please observe the following:

- Do not expose to water or moisture, or place on a conductive surface whilst in operation.
- Do not expose to heat from any source; the device is designed for reliable operation at normal ambient temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Whilst it is powered, avoid handling the printed circuit board, or only handle it by the edges to minimise the risk of electrostatic discharge damage.