

DATA SHEET B-PLUS GATEBOX 100

SENSORS AND INTERFACES

GNSS (GPS)	Yes
Temperature Sensor	Yes
Real time Clock	Yes
LAN/Ethernet	Yes, IEEE 802.3, 2x 10/100/1.000 MBit
USB	Yes, USB2.0 host port (low/full speed)
RS 232	Yes
RS 485	Yes
I2C Bus	Yes
Digital In	4, optional
Digital Out	4, optional
CAN	Up to 2, optional
SPI	Yes
Digital-Analog Converter	Optional
Audio	Optional
Other Interfaces/sensors/comments	HDMI, up to 4GB DDR3 RAM, Optional RS 422, optional 2 x D-Sub, optional S/PDIF, optional 4 x Analog In, processors available: Intel® Atom E38xx, Freescale i.MX6 Quad (4x800 MHz), DM&P Vortex86 EX (1x300 MHz)

CONNECTIVITY

GSM	
2G	Optional per mPCIe
3G	Optional per mPCIe
LTE	Optional per mPCIe
Fixed Line Connectivity	Yes
WLAN	Optional per mPCIe

PHYSICAL DEVICE CHARACTERISTICS

Maximum Device Size	150 mm x 58 mm x 99,5 mm
DIN Rail mounting	Yes, optional
Maximum IP Class	IP40
Operating Temperature	-40 °C/+85 °C, without Airflow: -40 °C/+60 °C
Storage Temperature	-40 °C/+85 °C
Operating Humidity	93 % @ 40 °C noncondensing

ELECTRICAL CHARACTERISTICS

Power Supply	6,5 - 32 V DC
Other (e. g. withstand 2 kV Peak, etc.)	RTC Buffer via capacitor, power consumption 5 - 7 W typical, max. 15 W



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CERTIFICATION

CE and WEEE	Yes
Other Certificates	Vibration and Shock: EN 60068-2-6:2008 (10-50Hz - 2G), EN 60068-2-27:2009 (half sine, 11 ms, 15G), EMV: EN 55022/ EN 55032 and EN 55024 (IT), EN 61000-6-2/EN61000-6-4 (Industrial), FCC (Industrial); Safety: EN 60950 Safety

CLOUD OF THINGS USE CASE

Self-registration	Yes
Measurement values	Yes
Events will be sent to client	Yes
Alarms will be sent to client	Yes
Tracking data will be sent to backend	Yes
Remote Control	Yes
Configuration settings can be changed via CoT	Yes
Firmware over the air updates	Yes



CONTACT

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