

Technical Data eConnect[®]

The eConnect, also referred as the terminal, is an additional device for telemedical systems. It is used to receive measurement data from external Bluetooth devices and forward them to a database anywhere in the world via GPRS.

This product can be used as a component in a telemetric application. IEM points out that to transfer data completely and correctly to a telemetric application, services, performance characteristics and infrastructure ("Services") have to be contracted from external providers, e.g. telecommunication companies.

GSM module

HL6528RD : Grade quad-band GSM/GPRS from SIERRA WIRELESS

Data rate	350Kbps
Output power	Class 4 (2 W) for GSM 850 and E-GSM 900 Class 1 (1 W) for DCS 1800 and PCS 1900
Configuration	Remote or via PC software
Communication	Bluetooth, USB-connector, Infrared, Serial RS232

Bluetooth[®] module

BT121-A Bluetooth[®] 4.2 Smart Ready Module from Silicon Labs

- Bluetooth Classic
- Bluetooth Low Energy
- Protocols: SPP, iAP2, HID and GATT over BR Bluetooth

Remote service – Maintenance – Provisioning server over the air

- Software updates
- Remote debugging and configuration
- Transfer status
- Log transmission

Power supply

Switchmode	AC-DC
Input Rating	100-240V~, 50-60 Hz
Output Rating	6W, 12V

Miscellaneous

Backend Protocol	HTTPS (PUT instruction)
Data format	JSON
Encoding	SSL
SIM detection	Automatic provider settings detection
SIM format	Mini-SIM (2FF): ID-000
Antennas	BT and GSM internal
Status	3 Status led (Color: blue, red, yellow, green)
USB	Type B; only for service
Enclosure Material	ABS; IP Protection: 20; color: white; UL 94 V-0
Memory	30 readings
Weight	111 g
Dimensions	H 36mm x W 107mm x D 104 mm
Temperature	Operate: +5 °C to +40 °C / Storage: +5°C to +50 °C

Regulatory Standards

- Directive 93/42/EEC (MDD)
- Directive 2014/53/EU (RED)
- Directive 2011/65/EU (RoH S)
- Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Supported External Devices

BPM	Tel-O-Graph [®] BT from IEM
Scale	Libr-O-Graph [®] from IEM
ECG	Beam [®] 3 Chanel Loop-/Eventrecorder from IEM
SpO ₂	3230 from Nonin
Spirometer	Spirotel from MIR
Glucometer	Profiline BLE from Cignus
Coagulation	CoaguChek [®] INRange from Roche
Activity Tracking	AS95 from Beurer

Note

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed.