

erco & gener

L'esprit modem >>



In an industrial environment, Bluetooth® is the technology of choice in the domain of Machine to Machine as a technological complement for long distance wired and wireless solutions (PTSN, GSM, GPRS ...).

The GenBlue 15e may be connected directly to a GenLoc / GenPro modem to obtain a remote serial link by means of its Bluetooth® connectivity with any other system using this technology (PDA, PC, onboard equipment ...).

The GenBlue 19e DCE (Master) and GenBlue 19e DTE (Slave) may be used to replace a wired RS232 link between equipment by means of an integrated DUN profile (signal reporting).

The range is 100 meters in the open-field (Bluetooth class 1).

Installation is simple and rapid by means of its integrated antenna and configuration by AT commands.

These products are certified according to Bluetooth® standards.

GenBlue 15e GenBlue 19e DCE GenBlue 19e DTE

• RS232 / BLUETOOTH®
CLASS 1 ADAPTER



TECHNICAL CHARACTERISTICS

GenBlue family

BLUETOOTH® FEATURES

- Transparent mode
- Range 100 meters (Class 1)
- Protocol: Bluetooth® 2.0
- Frequency: FHSS / 2.402 to 2.480 GHz
- Power: 100 mW (20 dBm)
- Sensitivity: - 87 dBm
- Profiles: SPP, SPP Config, DUN
- Radio transmission speed: 723 kbps
- Complete Bluetooth stack:
Baseband, Link manager, L2CAP, RFCOM, SDP

INTERFACES

- Integrated antenna
- RS232 (complete):
 - **GenBlue 15e:** Sub-D 15-pin male
 - **GenBlue 19e DCE:** Sub-D 9-pin female
 - **GenBlue 19e DTE:** Sub-D 9-pin male
- Power supply 3.8 to 20 Vdc (380 mA)
configurable by jumpers:
 - via micro-Fit 2-pin connector
or
 - via the RS232:
 - **GenBlue 15e:**
Remote-supply on Pin 13 of the RS232
If connected to GenLoc / GenPro modems
 - **GenBlue 19e:**
Remote-supply on Pin 9 of the RS232
- RS232 speed: 9600 bps to 115.2 Kbps
- Local hardware flow control (RTS / CTS)

AVERAGE POWER CONSUMPTION

- 22 mA in non-connected mode
- 25 mA in connected mode
- 60 mA in transmission (380 mA peak)

ENVIRONMENTAL & MECHANICAL

- Operating temperature: - 30°C to + 70°C
- Storage temperature: - 45°C to + 85°C
- Case:
Length 66.5 mm x Width 37.5 mm x Depth 24.3 mm
- Weight: 26 g

APPROVALS

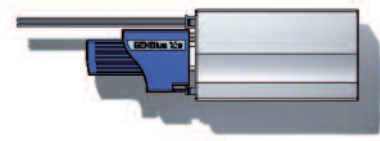
- Certified Bluetooth®
- CE
- EN 300-328 (Radio)
EN 301-489 (CEM)

OPTIONS

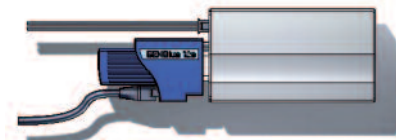
- Configuration cable (consult us)
- Micro-FIT supply cable (consult us)
- Power supply: 230 Vac - 12 Vdc: 0471210705

SUPPLY CONNECTION

- Remote-supply mode via RS232 equipment
(GenLoc / GenPro)



- External supply via 2-pin micro-FIT connector



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