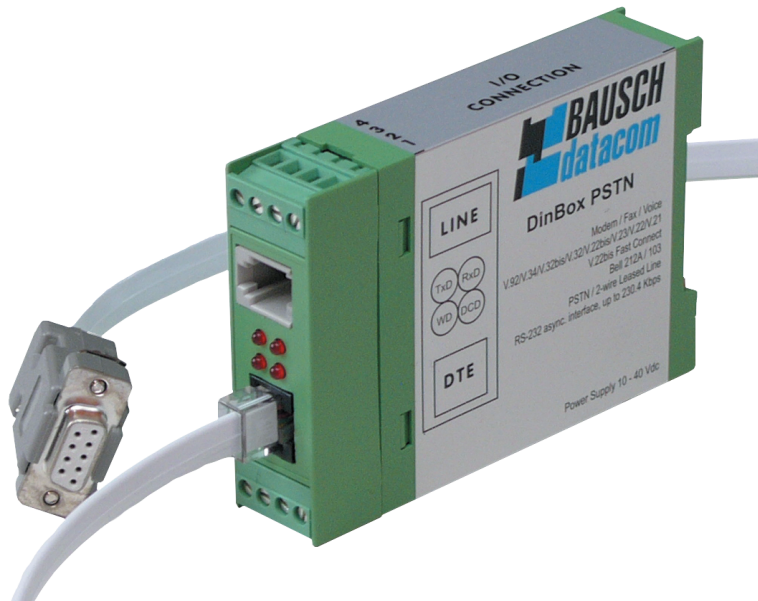


DinBox PSTN(485)

Serial RS-232 and RS-485 (2/4-wire) V.92 56K PSTN DIN-rail modem



The Bausch DinBox range is especially designed for industrial use offering a DIN-rail housing, a modular communication concept, watchdog security, a wide range DC power supply and automated communication possibilities. The DinBox communication devices are presented in 'pocket size dimensions'.

The Bausch DinBox PSTN(485) modem is based on the Modular Communication Concept. The communication happens via a replaceable WAN module, while power supply and interfacing are on the 'motherboard'.

The DinBox PSTN(485) is a V.92 56K modem designed in a robust 22.5 mm wide DIN-rail housing with a wide range DC power supply (10-40 Vdc). It has a long term watchdog that monitors and automatically resets the modem in case of malfunction. The modem has a RS-232 and RS-485 2 and 4-wire interface and functions on 2-wire leased line. For security reasons it supports selective Caller ID answering with disabled automatic answering (ATS0=0).

Firmware adaptations according to your specifications are possible on demand !

Typical Applications

- Remote reading of utility meters
- Micro RTU applications
- Vending machine monitoring
- Remote control
- Security alarms
- Measurement instruments
- Surveillance systems
- Point of Sales
- ...

Product highlights

- Wide range DC power supply (10-40Vdc)
- Industrial DINrail housing
- Watchdog circuit
- RS-232 serial interface
- RS-485 (2-4 wire) serial interface
- V.92 modem
- 2-wire Leased Line
- asynchronous DTR dialing
- 11 bit direct mode
- Secured: Caller ID detect and answering
- Distinctive ring detect

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Specifications

Housing

Phoenix EG22,5 ABS DIN rail housing
(EG22.5-G/ABS GN + EG22.5-A/ABS GN)
22.5 mm x 107.5 mm x 75 mm

Environmental

-10°C / + 50°C
10% - 75% (non condensing)

Power Supply

Input voltage range: 10-40 Vdc regulated
Typical power consumption : 150 mA (Max., operating on-line)

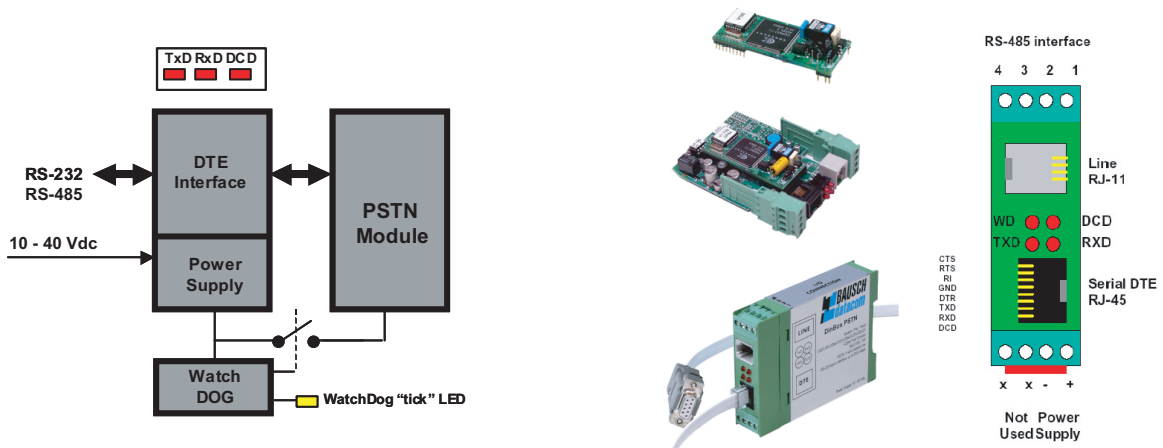
Modem Specifications

V.92 socket modem inside, Conexant based (specs : see below)
2-wire analogue Leased Line
RS-232 serial interface
2-wire and 4-wire RS-485 interface, connected via the 4 screw contacts (IO 1-4)
Dump mode
Asynchronous DTR-dialing
Security: selective caller ID answering while automatic answering is disabled (S0=0)
ITU-T V.92 with PCM upstream rates up to 48 kbps, Quick Connect and Modem-on-hold functions
V.22 bis fast connect, V.250, V.251 and V.253 commands
Data compression and error correction:
 V.44 data compression for optimal downloading
 V.42 bis and MNP 5 data compression
 V.42 LAPM and MNP 2-4 error correction
Flow control and speed buffering: Automatic format/speed sensing, RS-232/485 Serial async interface,
Supports speeds up to 230.4 Kbps
11-bit Direct mode
Fax modem: V.17, V.29, V.27 ter, and V.21 channel 2 EIA/TIA 578 Class 1 and T.31 Class 1.0 commands
Upgradeable Flash ROM
 Data/Fax/Voice call discrimination
 Hardware-based modem controller and digital signal processor (DSP)
 Worldwide operation, Call progress, blacklisting
Distinctive ring detect
Off-hook Call Waiting Caller ID detection during data mode in V.92, V.90, V.34, V.32bis, or V.32
2-bit and 4-bit Conexant ADPCM, 8-bit linear PCM, and 4-bit IMA coding 8 kHz sample rate
Concurrent DTMF, ring and Caller ID detect

Approvals

CE for Europe
FCC, c-CSA-us Safety 60950 approval North America

Block Diagram



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