

Programmable M2M Terminal

Industrial Internet Access

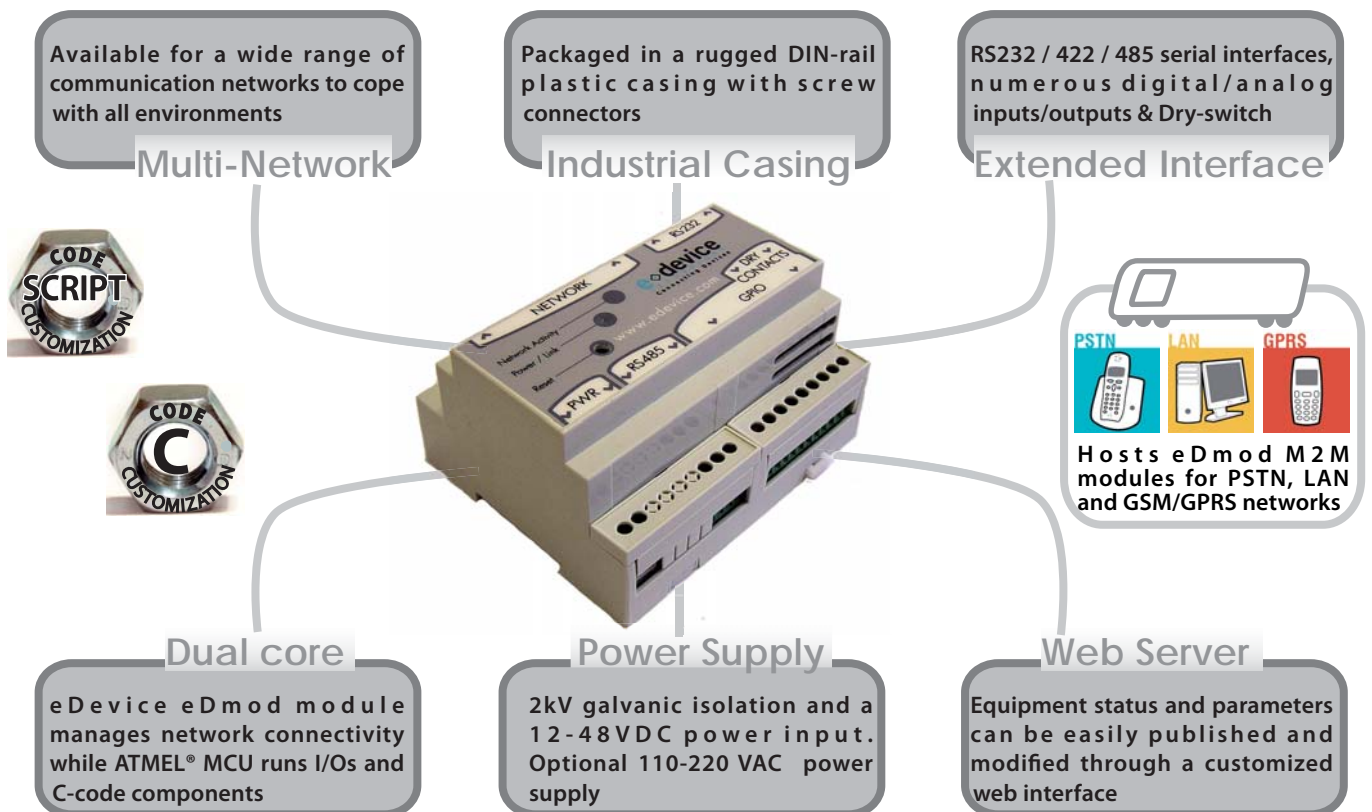
for PSTN, LAN and GSM/GPRS

eDindus

eDindus is a plug & play M2M industrial terminal for connecting equipment to the Internet over GPRS, PSTN (V.90) and Ethernet networks. Fitting to industrial requirements such as DIN-rail mounting, extended I/Os, fieldbus protocol management and a wide power supply range, eDindus unleashes the power of M2M for industry.

The integrated 8-bit ATmega® microprocessor manages the Modbus protocol and allows specific client modules coded in C to be embedded into the terminal. eDindus can be connected to any equipment through a wide range of hardware interfaces: RS232, RS422, RS485, analog and digital input / output, and dry switch.

Based on the award-winning eDevice TCP/IP stack, the eDindus includes an FTP client, an e-mail client and a web server. The server is entirely customizable and the software development kit (SDK) that is supplied with the eDindus allows scripts to be created and embedded in an interpreted language.



Hardware

- > eDevice eDmod M2M network module based on 2187 Analog Devices 16 bit DSP
- > ATMEL ATmega® 128L 8 bit microprocessor
- > Power Input 12 to 48 VDC standard, 110 to 220 VAC at 50-60Hz optional
- > 2kV Galvanic Isolation
- > Operating Environment :
-10°C to +55°C
- > Dimensions [l] 106 [L] 90 [h] 58 mm

Interfaces

- > RS232 serial connection to host equipment up to 115Kbps with DB9 connector
- > RS422, RS485 serial connection through screw connectors
- > 8 external GPIO with screw connectors. Programmable input voltage from 12 to 24V
- > 3 Analog to Digital Converter (10-bit resolution)
- > 2 Dry Switches

Network

- > In-house RFC Compliant TCP/IP stack driven by standard eDevice AT# interface
- > DNS and NTP Client
- > TCP Socket Client and Server for Telnet connections
- > SMTP and POP3 Client for email transfer
- > FTP Client for File Transfer from or to a remote FTP server
- > Dynamic embedded HTTP Web server

eDindus 100

with PSTN/POTS internet module

PSTN



Analog Telephone Networks

The eDindus100 does not require a dedicated PSTN line and can be connected to an existing line shared with other telephone equipment (RJ11 connector). The eDindus100 includes a V.90 modem, a PPP client and a standard TCP/IP stack.

eDindus 200

with LAN internet module

LAN



Ethernet Networks

The eDindus200 connects to a 10 Mbit Ethernet port just like a PC would (RJ45 connector). The eDindus200 includes a DHCP client and a standard TCP/IP stack. It provides a permanent and immediate Internet access to your equipment.

eDindus 300

with GPRS internet module

GSM/GPRS



Cellular Mobile Networks

The eDindus300 uses a dedicated GPRS subscription activated once the SIM card is inserted. The eDindus300 includes a class 10 GPRS modem and a standard TCP/IP stack. It provides a permanent wireless Internet access to your equipment.

The eDindus is IDeMS-certified, allowing connectivity to IDeMS, eDevice's Middleware Server, to benefit from advanced Fleet Management services and from Network Services, eliminating certain network limitations (e.g. private and dynamic IP addressing).



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