e◆device
T E C H N O L O G Y
C o n n e c t i n g   D e v i c e s

eDindus   Industrial M2M Terminal

eDindus is a plug & play M2M industrial terminal for connecting equipment to the Internet over GPRS, PSTN (V90) 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 industrial environments.

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, analogue and digital input / output, and dry switch.

▶ **Customizable**   ▶ **Embedded TCP/IP**   ▶ **DIN Rail Mounting**

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.

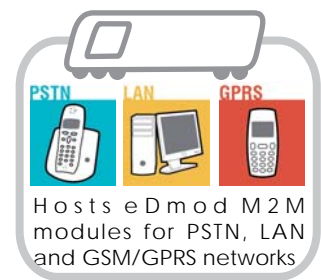Available for a range of communication networks to cope with all environments
Multi-Network

Packaged in a rugged DIN-rail plastic casing with screw connectors
Industrial Casing

RS232 / 422 / 485 serial interfaces, numerous digital/analog inputs/outputs & Dry-switch
Extended Interface

Hosts eDmod M2M modules for PSTN, LAN and GSM/GPRS networks

Dual core
eDevice eDmod module manages network connectivity while ATMEL® MCU runs I/Os and C-code components

Power Supply
2kV galvanic isolation and a 9-60VDC power input. Optional 110-220 VAC power supply

Web Server
Equipment status and parameters can be easily published and modified through a customized web interface

eDindus Industrial M2M Terminal

▷ Hardware

◆ eDevice eDmod M2M network module based on 2187 Analog Devices 16 bit DSP

◆ ATMEL ATMega® 128L 8 bit microprocessor

◆ Power Input 9 to 60 VDC standard, 110 to 220 VAC at 50-60Hz optional

◆ 2kV Galvanic Isolation

◆ Operating Environment : -10°C to + 55°C

◆ Dimensions (L x W x H) : 106 x 90 x 58 mm

▷ Interfaces

◆ RS232 serial connection to host equipment up to 230Kbps with DB9 connector

◆ RS422, RS485 serial connection through screw connectors

◆ 9 external GPIO with screw connectors software configurable as digital inputs/outputs or 10-bit ADC

◆ 50 internal GPIO with HE14 connectors

◆ 1 dry switch

▷ 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

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).

I De M S
Intelligent Device Management System

---

eDindus 100
with PSTN/POTS internet module

PSTN

Analogue 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.

---

e▸device
TECHNOLOGY
Connecting Devices

www.edevice.com
+33 . 5. 56 . 127 . 777

eDevice SA
Parc Cadéra Sud - Bat P2
Avenue Ariane
33700 MERIGNAC - FRANCE