GSM/GPRS Serial Terminal
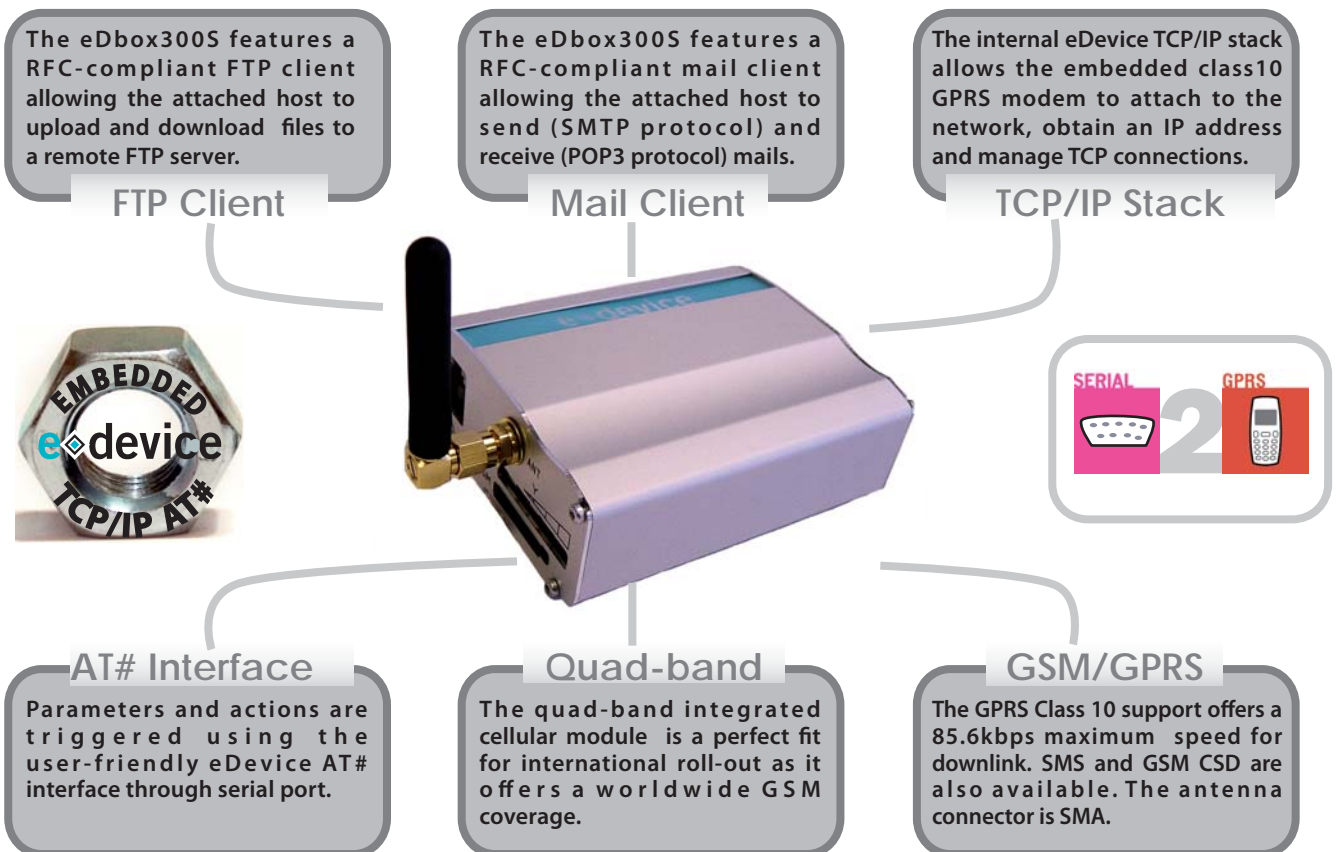
Cellular M2M Modem with Advanced Internet Features

eDbox300S

eDbox300S is a plug & play Programmable M2M Terminal for connecting equipment to the Internet over GSM/GPRS networks. Including all the software and hardware components needed to transfer information remotely, eDbox300S unleashes the power of M2M for a large range of equipment.

The eDbox300S connects to any device through one standard RS232 serial port. Based on standard off-the-shelf components, the eDbox300S provides a reliable solution fitting to external connectivity needs and retrofit applications.

Based on the award-winning eDevice TCP/IP stack, the eDbox includes, in addition to standard TCP sockets, a DNS client, a FTP client and an e-mail client.

FTP Client

The eDbox300S features a RFC-compliant FTP client allowing the attached host to upload and download files to a remote FTP server.

Mail Client

The eDbox300S features a RFC-compliant mail client allowing the attached host to send (SMTP protocol) and receive (POP3 protocol) mails.

TCP/IP Stack

The internal eDevice TCP/IP stack allows the embedded class10 GPRS modem to attach to the network, obtain an IP address and manage TCP connections.

AT# Interface

Parameters and actions are triggered using the user-friendly eDevice AT# interface through serial port.

Quad-band

The quad-band integrated cellular module is a perfect fit for international roll-out as it offers a worldwide GSM coverage.

GSM/GPRS

The GPRS Class 10 support offers a 85.6kbps maximum speed for downlink. SMS and GSM CSD are also available. The antenna connector is SMA.

EMBEDDED e◇device TCP/IP AT#

SERIAL 2 GPRS

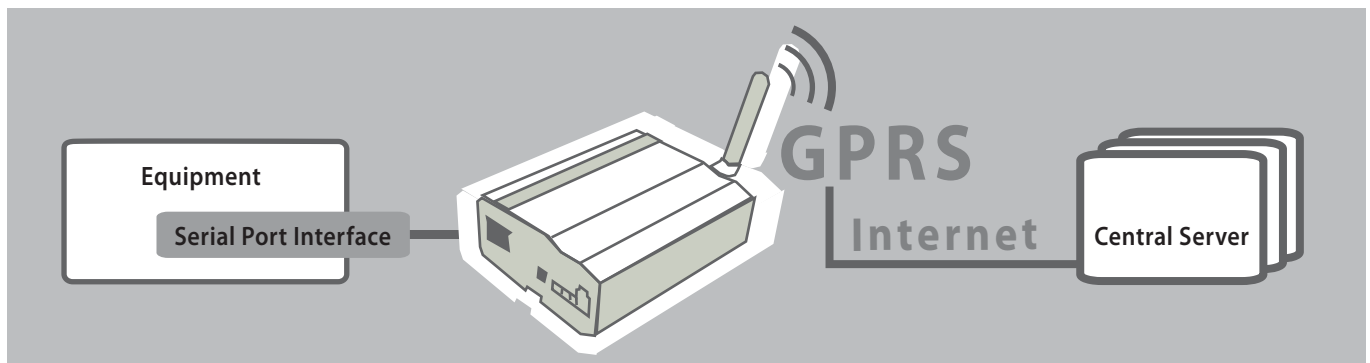## e◇device
T E C H N O L O G Y

eDbox300S

▶ Hardware

> Embedded GSM/GPRS module

> RS232 DB9 serial interface

> Power Supply 5-30V Microfit connector

> Dimensions [w] 72 [d] 102 [h] 32 mm

> Operating Environment: -30°C to +70°C

> SIM card holder

> Alternative DIN Rail Casing

▶ Software

> GSM AT commands

> eDevice AT# interface for TCP/IP applications

> PPP stack for GSM data

> DNS client for name resolution

> UDP and TCP socket access

> FTP client for file transfer
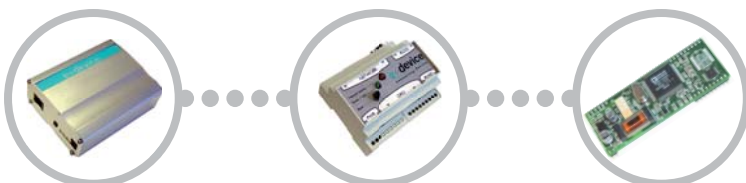
> POP3/SMTP client for mail exchange

▶ GPRS/Wireless

> Multi-slot Class10 GPRS

> Maximum speed : 85.6kbps downlink / 42.8kbps uplink

> Quad-band 850/900/1800/1900 MHz

> SMS support, CSD up to 14.4 kbps

> GPRS Mobile Station class B

> SMA antenna connector

Equipment

Serial Port Interface

GPRS

Internet

Central Server

The eDbox300S, owing to its low-cost achieved through hardware and software optimization, is used to enable any type of electronic equipment to communicate whilst neatly solving all problems met by designers building new products with Internet or mobile network connectivity.

Usability and user-friendliness differentiate eDevice solutions from the rest. Harnessing their power puts the Internet connectivity within the reach of all new product designers. eDevice is now the leading provider for complete M2M solutions. More than 2 million products embedding eDevice's technology are already in the field.

eDevice's solutions connect equipment to the Internet for remote monitoring, remote control and remote data transfer. With a huge scope of applications, potentially all vertical domains can benefit from M2M. M2M has proven most promising in: Home Automation, Energy Monitoring, Telemedicine, Industrial Control, Security Systems...

More than 2 Million Products in the Field

e◇device
TECHNOLOGY
Connecting Devices