

# μWEBox eRouter GSM/GPRS (ROHS) Router

## Product Brief

**COMTECH M2M**  
inspiring innovation



Introducing the **μWEBox eRouter GSM/GPRS** router – enabling Ethernet devices to communicate over the wireless GSM or GPRS network.

It provides PPP encapsulation of TCP/IP data on the GSM/GPRS connection, supporting 10 simultaneous sockets.

*Dial out, Dial in and Always connected* modes of operation maximise the capabilities of both the GSM and GPRS networks

The **μWEBox eRouter GSM/GPRS** router is specifically designed for machine-to-machine (M2M) applications.

For more details, visit our website [www.comtechm2m.com](http://www.comtechm2m.com), mail us at [sales@comtechm2m.com](mailto:sales@comtechm2m.com) or call **+44 (0)1204 664333**

### Routing

Config	Ethernet Telnet session
PPP	PPP wrapping of TCP/IP data—up to 10 TCP sockets.
NAT	Network Address Translation between local Ethernet IP & dynamically assigned IP address from network.
Dial Out Mode	Multiple Ethernet Clients initiate calls on presence of data. NAT is performed.
Dial In Mode	Multiple Ethernet Servers terminate incoming GSM calls. No NAT is performed.
Always Connected Mode	Multiple Ethernet Client devices and a single Ethernet Server device remain always-on GPRS. Port forwarding to the single server device and NAT is performed.

### GSM/GPRS and Ethernet

CSD	Non-transparent up to 9k6.
Voice	FR, EFR, HR, DTMF.
Fax	Group 3 class 1 & 2.
Bands	900/1800Mhz 850/1900Mhz
GPRS	Class B 4+2 Class 10. 56K (down), 28.8 K (up)
SIM	Onboard SIM socket 3/5v.
Ethernet	10Base-T (10Mbps) RJ45 connector

### Physical Interface Connectors

Debug	DB9 RS232 connector
Ethernet	RJ45
Antenna	SMA connector-GSM/GPRS
Power	8-36VDC Molex mini-fit
Indicators	4 LED's (Power and status)
Size	105 x 115 x 45mm approx.

### Protocols

Routing	TCP, IP, UDP PPP DNS NAT, IP Forwarding DHCP Server ARP PING
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### DC Characteristics

V (supply)	8-36V DC.
Debug	Serial RS232
Ethernet	10 Base-T

### Conformance

Europe	CE (R&TTE, LVD, EMC) E mark
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### Environmental

Operation	-20°C to + 70°C.
Storage	-40°C to + 85°C.
Humidity	95% at +40°C non-condensing.

### Tools

The μWEBox eRouter is released together with a Starter Kit. This provides the μWEBox eRouter with all the accessories necessary for rapid evaluation.

### Related Documentation

Modem/Router Family brochure  
μWEBox eRouter User Manual

### Ordering information

Order Code	Description
FR06000211	μWEBox eRouter GSM/GPRS (ROHS)
FR06000210	μWEBox eRouter GSM/GPRS Starter Kit
Contact Comtech M2M Ltd for your customisation needs.	

\* NOTE: This must be used if the unit is powered from a low voltage source

### Accessories

Order Code	Description
CABLE-DATA	Serial cable 9w to 9w
CABLE-001	Ethernet cross over cable
PSU-0012	110/230VAC to 9v DC/1.5A Power Supply
GSM-ANT-001	Standard SMA cellblock antenna
GSM-ANT-002	Standard SMA stub antenna
GSM-ANT-006	Standard SMA wall-mount dipole antennae
CASE-0013/M	1 off Box Mounting Bracket (inc screw)
CABLE-027	Input filter cable*

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