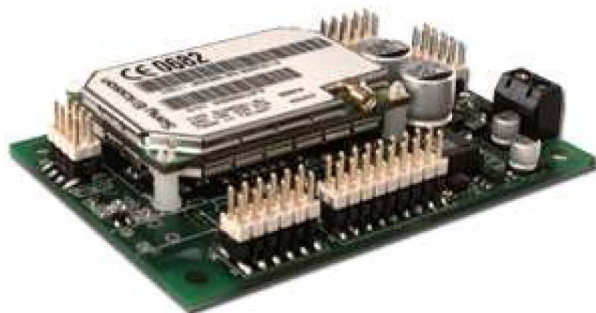


µWEB® Lite GSM/GPRS (ROHS) Modem Module

Product Brief



Introducing the µWEB® Lite GSM/GPRS module – an enhanced modem with onboard TCP/IP stack designed for ease of use.

Automated modes enable onboard I/O to be remotely monitored and controlled. Standalone use – no local microcontroller required!

Host data can be optionally logged and transferred by E-mail or FTP. Alternatively, stream data directly between local host and central server via FTP.

µWEB® Lite GSM/GPRS is specifically designed for OEM embedded machine-to-machine (M2M) applications.

For more details, visit our website www.comtechm2m.com, mail us at sales@comtechm2m.com or call

+44 (0)1204 664333

Environmental

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

GSM/GPRS

CSD	Non-transparent up to 9k6.
SMS	Text, PDU, MO/MT, Cell broadcast.
Voice	FR, EFR, HR, DTMF.
Fax	Group 3 class 1 & 2.
Quad band	900/1800Mhz 850/1900Mhz
GPRS	Class B 4+2 Class 10 57.6K (down) 28.8 K (up)
SIM	Onboard SIM socket 3/5v.

Physical Interface Connectors

Serial I/O	TTL and RS232 options. 8 programmable I/O 4 analogue input.
Ext GPS LED	Tx/Rx (9K6), Reset, Supply. GSM LED, led/RTC supply.
Audio	Buzzer, mic, ATMS, bear service, supply.
Antenna	MMCX with SMA option.
Power	Screw terminal
Size	59 x 89mm approximately.

Application Mode Options

Automated (stand-alone)	Programmable event timer. Onboard RTC scheduling. I/O status monitoring. Analogue threshold detect. External GPS monitoring. Detect call or SMS prompt. CLI/SMS number validation. Power down/wake events. Auto send the I/O or Ext GPS status upon an alarm or wake-up event via SMS, TCP socket or GSM call.
E-mail	Log data to onboard e ² prom & E-mail as an attachment.
FTP client	Transfer data between FTP server and onboard e ² prom or host serial port directly.

Protocols

Host	Extended AT-commands.
Network	TCP, IP, PPP, DNS.
Application	Serial TCP client socket SMTP client option FTP client option.
Upgrade	X-modem (local & remote).
Data log	Extended AT-Commands.
Ext GPS	NMEA GPRMC string filter.

DC Characteristics

V (supply)	5–15v.
Vih / Voh	3v3 CMOS.
I (sleep)	TBD
I (standby)	TBD
I (active)	TBD

Tools

The µWEB Lite product family is supported by a PC-based configuration tool, which provides a step-by-step configuration guide. It supports firmware upgrade for programming the µWEB Lite module for Automated, Email and FTP mode options. A Starter Kit is available which includes a µWEB Lite module, associated tools and accessories for rapid development.

Related Documentation

µWEB Lite Family brochure
µWEB Lite Getting Started Guide
µWEB Lite Design Manual
µWEB Lite Application Guides

Ordering information

Order Code	Description
*FR06000207	µWEB Lite GSM/GPRS TTL ROHS
*FR06000218	µWEB Lite GSM/GPRS RS232 ROHS
FR06000222	µWEB Lite GSM/GPRS TTL ROHS Starter kit

Accessories

Order Code	Description
CABLE-004	PCB mount MMXC to female SMA cable
CABLE-006	MMXC to female SMA "flying lead"
OEM-GSM-A10	Standard MMCX cellblock antenna
OEM-GSM-A9	Standard MMCX stub antenna
GSM-ANT-001	Standard male SMA cellblock antenna
GSM-ANT-002	Standard male SMA stub antenna

*NOTE : Configured for Automated mode. Requires configuration tool to program EMAIL and FTP modes. Factory program option available— contact Comtech.

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