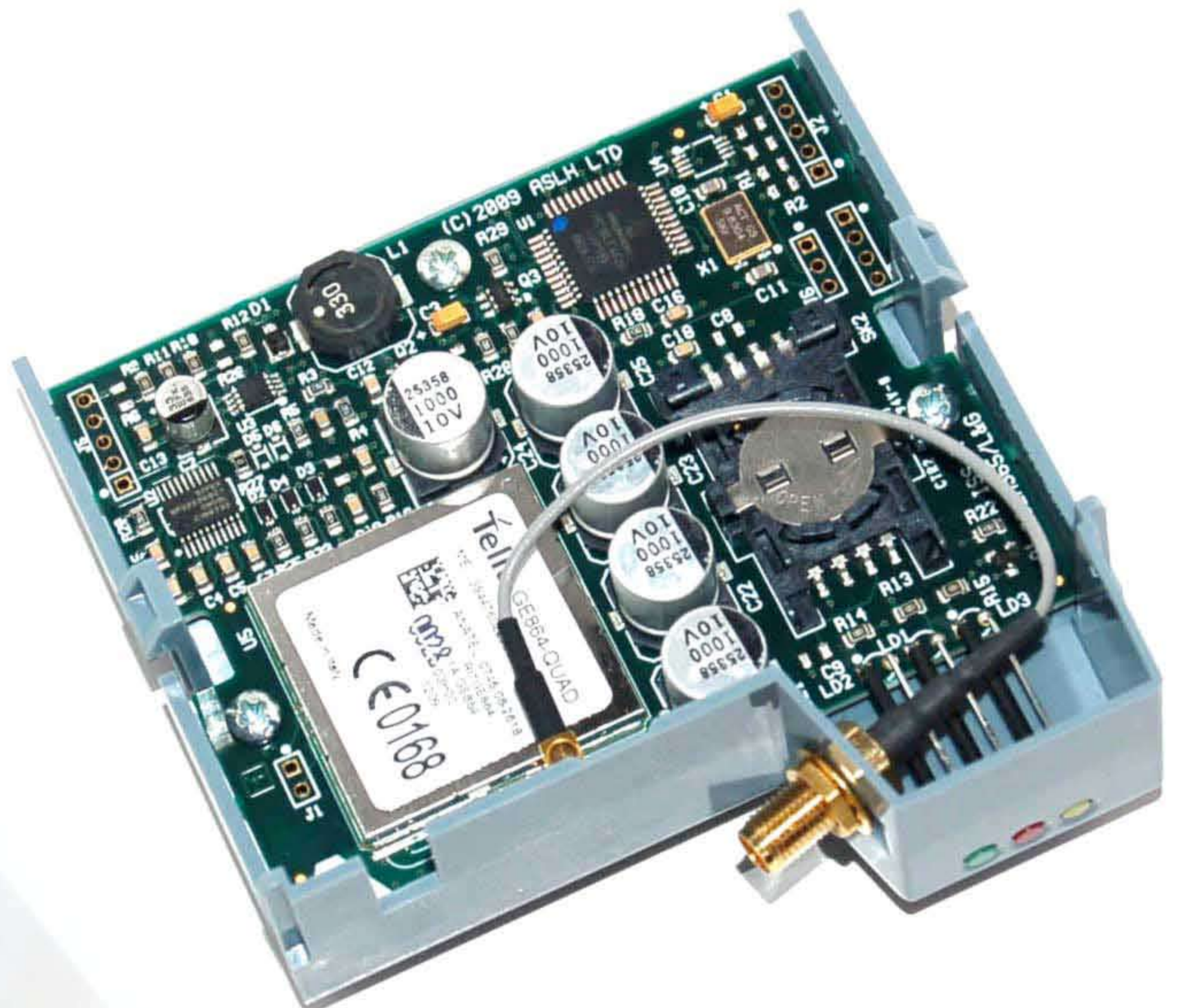


ASLH365 Bespoke CSD/GPRS/SMS - GSM Wireless Modem for Landis+Gyr E550 Meters

A new generation high speed telemetry modem for use on public mobile telephone networks.



- EASY TO INSTALL
- HOST POWERED WITH TERMINAL COVER MOUNTING
- INTELLIGENT NETWORK WATCHDOG
- REMOTE CONFIGURATION, UPGRADE AND DIAGNOSTICS
- SOLID STATE SIM READY
- MINIMISES SITE VISITS
- RS232 INTERFACE & RS485 MULTI-DROP OPTION
- Pre-Configured for operation with the Meter
- Signal Strength shown on the Meter display
- Modem compatible communications data rates up to 9600bps
- Error correction including V110 (for ISDN/GSM connected host)
- IP connectivity for AMR using low cost GPRS services
- Fixed IP and Dynamic IP Modes
- SMS AMR capability with programmable read time
- Standby mode with current drain of <50mW
- Typical average operating power of <500mW
- External antenna as standard
 - Internal PCB Option Available



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ASLH365 Bespoke CSD/GPRS/SMS GSM Wireless Modem for Landis+Gyr E550

Bespoke design for an intelligent communications solution that is fully integrated into the meter platform

The Landis+Gyr E550 bespoke GPRS/GSM/SMS wireless modem is a new member of ASLH's well established and proven range of Delta Plus telemetry modems designed to complement L+G's E550 meters, with RS232 interfaces and an RS485 Multi-Drop Option for connecting multiple meters to one GSM node.

The L+G E550 bespoke GPRS/GSM/SMS wireless modem allows access to remote data via the public mobile telephone networks.

For maximum compatibility and ease of use the unit has been designed to operate like a normal modem. There is no need to understand additional GSM network specific operations. Even when operating in GPRS mode, once installed, it acts like a normal IP connection. GPRS can be configured with either a Static or Dynamic IP address. To reduce transmission times, the L+G E550 bespoke GPRS/GSM/SMS wireless modem can be used in V110 mode making and receiving calls to and from hosts

connected using ISDN or GSM rather than standard telephone modems.

SMS AMR is also supported for NHH metering with programmable host, read interval and remote read requests all supported.

A suitable antenna can be fitted to the unit's flying lead or mounted remotely via an extension cable if required. Also internal PCB antenna option available.

Naturally, the L+G E550 bespoke GPRS/GSM/SMS wireless modem includes an intelligent watchdog to monitor the state of the wireless modem for instances such as brown - out detection to maximise high reliability of operation.



Specification	
Data rates & standards	V22 (1200bps), V22bis (2400bps), V32 (9600bps)
GPRS Protocol	Supports TCP/IP stack Class 10, and ASL high efficiency telemetry protocols (ATP)
Network compatibility	Quad band for use on GSM networks at 850/900/1800/1900MHz GPRS (Class B 4+1) Fixed IP or Dynamic IP modes, with "Always On" capability
SMS Protocol	Standard text and PDU modes supported
SIM card	Secure mounting with thumb screw locking, Solid State Sim option available
Error Correction/ Data Compression	V42, V42bis standards for modem and V110 for ISDN and GSM hosted applications
Power supply	7-12VDC from meter module connector
Enclosure	Custom moulded plastic housing, size - 81x65x28mm
Weight	60g
Connectivity	Via RJ45 module connector. RS232 as Standard, additional RS485 Multi-Drop option available
Operational status LEDs	Green, Red & Yellow (see full technical user guide for operational use)
Environmental conditions	-20 to +55°C operating; -20 to +70°C storage. Humidity 0-95% non-condensing
Control of functions	By 'AT' compatible command subset
Auto dial/answer	Under 'AT' command control. Auto answer with Call Indicate
Antenna connector	SMA (Female)
Remote configuration	By the use of Hyper Terminal or any suitable terminal emulation package for access
Approvals	The product conforms to : 3GPP TS 51.010-1, EN60950, R&TTE Directive 99/5/EC, EMC Directive 89/336/EEC & Low Voltage Directive 73/23/EEC
Options	PCB Antenna, RS485 Multi-Drop Interface
Additional services	For more communications options see the separate data sheets for the other communications modules that are in the Delta Plus family. ASLH is also able to offer modems with customized configurations, tailored to specific customer's requirements as well as fully custom communications products. Please enquire for full details.

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