



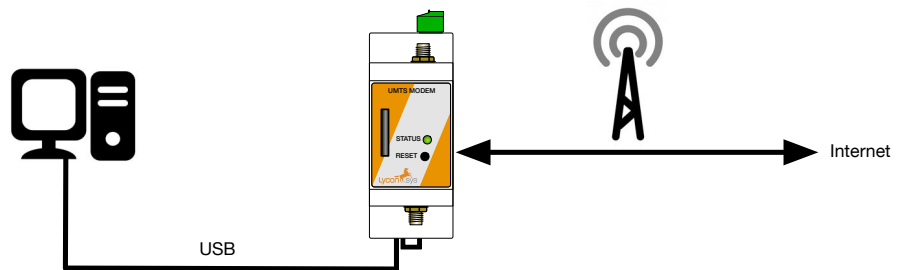
- Up to 14,4 mbps data transfer speed
- Quad-Band 2G-/Tri-Band 3G module
- 2 external antenna connectors
- Compatible to AT commands, QMI
- USB 2.0 data interface
- DIN-rail mounting
- Temperature range: -30°C to +70°C

The LyconSys industrial 3G modem series allow you to connect to cellular networks worldwide. They offer data rates up to 14.4 mbps in HSPA networks. They are also backward compatible to 2G and 3G networks.

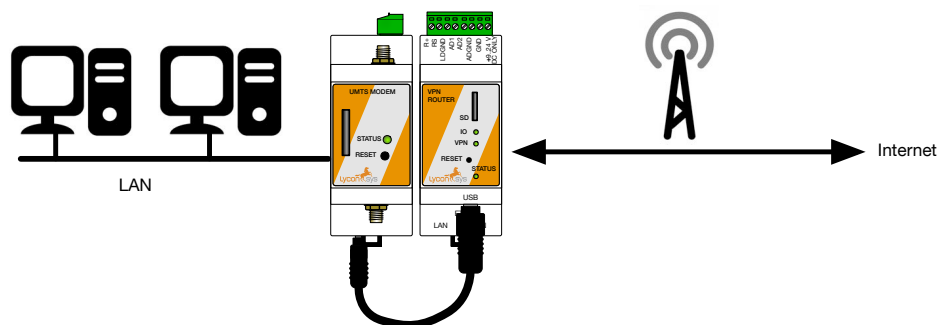
The model 3G+6 GPS has an integrated GPS receiver module for satellite base navigation applications.

Applications

3G modem access for PC systems.



Internet/LAN gateway.



Radio specifications

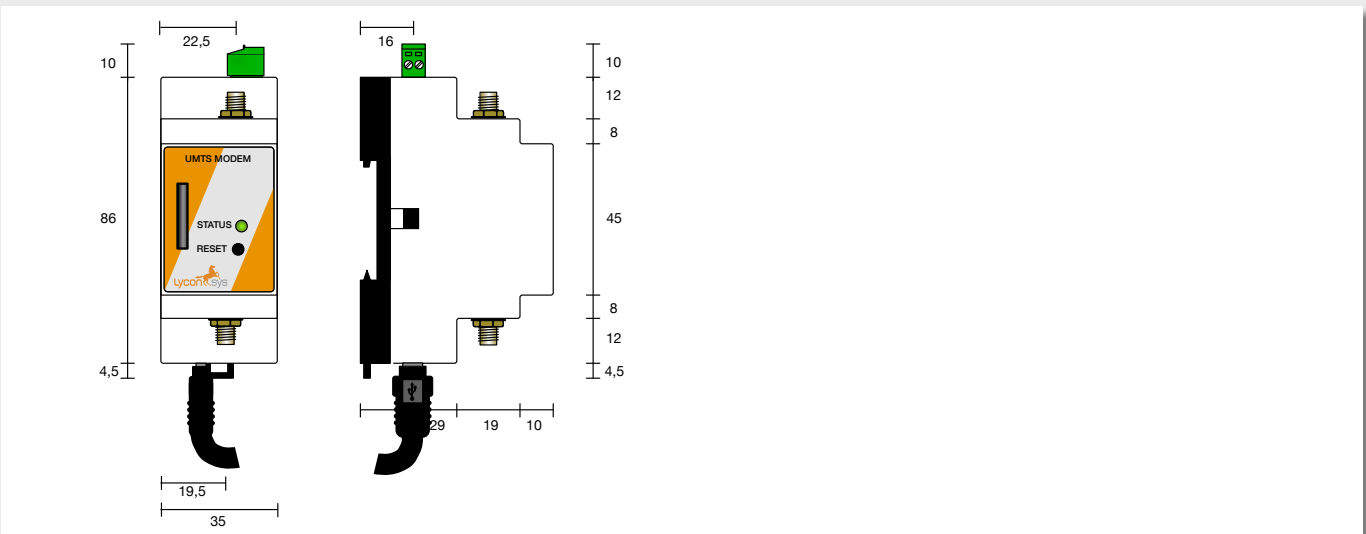
Frequency bands	HSPA+: B1 (2100), B8 (900)
Radio standards	GPRS/EDGE: Quad-Band HSPA (14,4/5,76 mbps) UMTS (384 kbps) EDGE (230 kbps) GPRS (85 kbps) CSD (14,4 kbps)
SMS	Sending and receiving
GPS receiver	<i>Model 3G+6 GPS only:</i> Qualcomm gpsONE Gen8 with 16 GPS- and 14 GLONASS channels SBAS: WAAS, EGNOS, MSAS

Connectors

Data port	1 USB mini-B
Antennas	<i>Model 3G+5 HSPA only:</i> 2 SMA(f) (UMTS/GSM main + RX diversity) <i>Model 3G+6 GPS only:</i> 2 SMA(f) (UMTS/GSM main + GPS with 3.3 V active antenna sourcing)
SIM card slot	SIM Card slot with dust cover, compatible to standard 3.3 V SIM-cards
Power supply	1 screw-type terminal, 9 V to 24 V (max. 28V) DC, max. 5 W

Mechanical Data

Housing	DIN rail enclosure (ABS) acc. to DIN 43880
Mounting	DIN rail (EN 50022), Wall mounting (optional)
Safety class	IP30
Size	35 x 58 x 82 mm (W x H x T), equals 4 SU
Weight	98 g
Environmental conditions	-30 to +70°C (operation) 5 bis 95 % (non condensing)
MTBF	240.000 hours



Conformity

CE	EN 61000-6-2 EN 61000-6-4 EN 61000-4-2 EN 61000-4-3 + A1:2008 EN 61000-4-4 EN 61000-4-6 EN 61000-4-29 EN 55022 + A1:2007 EN 301 511 EN 301 908
RoHS	EN 50581

Features

Software protocols	QMI, standard- and extended AT command set
USB software drivers	Windows 7/8/CE/Mobile, Linux
Displays	1 LED on the front panel (Error/Network registration state)
Watchdogs	2 hardware watchdogs, USB VBUS power-off feature

Order Information

Order Code	Item Description
3GPLUS5	Industrial 3G modem, model: 3G+5 HSPA
3GPLUS6	Industriel 3G modem with GPS receiver, model: 3G+6 GPS
LYLTEMAGF	Magnetic roof antenna 4G/3G/2G incl. 2.5 m antenna cable
LYLTESTAT	Base station antenna 4G/3G/2G incl. 5 m antenna cable
WALLMNTKIT	Wall mount kit (set)