LOGITRAC
HYPERDRIVE

XT-4760G Outdoor UMTS Modem with Integrated GPS

XT-4760G series is a self contained UMTS/HSPA modem with integrated GPS engine and antenna, cellular and PCS antenna, optional motion detector, optional accelerometer and 6600 mAh internal rechargeable battery. With a powerful 32-bit microprocessor and unique power management algorithm, XT-4760G consumes less than 120 µA in sleep mode and yet capable of periodic reporting of health, status and location of remote assets. With multiple input and output ports along with proven embedded application, XT-4760G is an ideal solution for monitoring and control of high value remote assets where input power availability is of concern.

XT-4760G has been designed with the latest GPS technology allowing GPS tracking under extreme conditions where most other competing products fail. The weatherproof case (meets IEC 68-2-27 environmental standard and is IP66 certified) allows XT-4760G to be used in a myriad of applications such as container, trailer and motorcycle tracking.

XT-4760G is another example of Logitrac's dedication to the development of unique and flexible products to address ever growing number of applications and customer requirements.

XT-4760G
Specification highlights

- 3G UMTS/HSDPA class A multi-slot
- 2G GPRS class B multi-slot

- 3G Bands 800/850/900/1700/1900/2100 MHz
- 2G Bands 850/900/1800/1900 MHz

- LED status indicators for GPS, Network registration

- Over-the-air configuration and firmware upgrade

- Supports TCP, UDP, FTP

- Integrated GPS receiver and antenna for tracking applications

- Supports SMS connectivity

- Internal 6600 mA rechargeable battery for applications requiring longer battery life.

Specifications

Cellular Specification

3G UMTS/HSDPA/HSUPA Characteristics	2G GSM/GPRS/EDGE Characteristics
Class A User Equipment	Class B Mobile Station
UTRA FDD	GSM EDGE Radio Access (GERA)
3GPP Release 6 HSPA	3GPP Release 6
Six-band Support - Band I – 2100MHz - Band IV – 1700 MHz - Band II – 1900MHz - Band V – 850 MHz - Band III – 1800MHz - Band VIII – 900 MHz	Quad-band Support - GSM – 850 MHz - E-GSM – 900 MHz - DCS – 1800 MHz - PCS – 1900 MHz
WCDMA/HSDPA/HSUPA Power Class 3	GSM/GPRS Power Class - Power Class 4 for GSM / E-GSM - Power Class 1 for DCS / PCS EDGE Power Class - Power Class E2 for GSM / E-GSM - Power Class E2 for DCS / PCS
PS (Packet Switched) Data Rate - HSUPA category 6, up to 5.76 Mb/s UL - HSDPA category 8, up to 7.2 Mb/s DL - WCDMA PS data up to 384 kb/s DL / UL	PS (Packet Switched) Data Rate - GPRS multi-slot class 123, CS1-CS4, up to 85.6 kb/s DL / UL - EDGE multi-slot class 123, MCS1-MCS9, up to 236.8 kb/s DL / UL
CS (Circuit Switched) Data Rate - WCDMA CS data up to 64 kb/s DL / UL	CS (Circuit Switched) Data Rate - GSM CS data up to 9.6 kb/s DL / UL supported in transparent / non-transparent

GPS specification
- Receiver   50 channels
- Receiver Tracking Sensitivity   -161 dBm
- Accuracy   +/- 2.5m CEP
- Cold Start   < 33 sec
- Hot Start   < 1 sec

Power Requirement
- Input Power   6 - 24VDC
- Current   40 mA active average; 120 µA sleep mode
- Battery   Internal 6600 rechargeable Li-Ion

Physical Connection
- 8 pin Microfit connector
- 4 I/O

Mechanical
- Case Material   ABS plastic with weather-proofing for outdoor use
- Dimensions   4.58" X 2.88" X 1.67"
- Weight   8.5 oz.
- Operating Temperature   -30°C to +70°C
- Storage Temperature   -30°C to +70°C

Certifications
- PTCRB
- FCC
- IP66 Rated
- AT&T Network

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