



XIRGO TECHNOLOGIES

## 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  $\mu$ A 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 Xirgo Technologies' 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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