LOGITRAC
HYPERDRIVE

XT-4550C Ultra Low Power 1x with Integrated GPS

XT-4550C series is a self contained CDMA modem with integrated GPS engine and antenna, cellular and PCS antenna, optional motion detector, and optional 650 or 960 mAh internal rechargeable battery. With a powerful 32-bit microprocessor and unique power management algorithm, XT-4550C consumes less than 150 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-4550C is an ideal solution for monitoring and control of high value remote assets where input power availability is of concern.

XT-4550C has been designed with the latest GPS technology allowing GPS tracking under extreme conditions where most other competing products fail. With its ultra compact size and optional weatherproof case (meets IEC 68-2-27 environmental standard), XT-4550C can be used for a myriad of applications such as container, trailer and motorcycle tracking.

XT-4550C 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-4550C
Specification highlights

- CDMA 1xRTT

- 1xRTT Supports 800/1900 MHz dual band

- LED status indicators for GPS, CDMA Network registration

- Over-the-air configuration and firmware upgrade

- Supports TCP, FTP, HTTP and UDP

- Integrated GPS receiver and antenna for tracking applications

- Supports SMS connectivity

- Internal 650 or 960 mAh rechargeable battery for applications requiring longer battery life.

Specifications

Cellular Specification

CDMA 2000 1xRTT Characteristics

Dual-band Support
  - 800 MHz Cellular Band
  - 1900 MHz PCS Band

Protocol   - Supports TCP, FTP, HTTP and UDP
PS (Packet Switched) Data Rate   - CDMA PS data up to 153 kb/s DL / UL

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, Current   6 - 24 VDC
- Battery   Internal 650, 960 or 6600 rechargeable Li-Ion

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

Mechanical
- Case Material   ABS plastic – optional weather-proofing
- Dimensions   2.4" X 1.8" X 0.7"
  Note: larger batteries increase dimensions of device
- Weight   4 oz.
- Operating Temperature   -20°C to +65°C
- Status Indicators   Network registration/GPS status

Certifications
- FCC
- IC (Industry Canada)
- Sprint Network (pending)
- Verizon Network (pending)

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