

Wavecom Instruments

Intercel Smart SAM3T 3G Modem



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Intercel Smart SAM3T

3G Modem

Overview

The Intercel Smart SAM3T is a UMTS based industrial modem. It provides EDGE, GSM, GPRS, WCDMA and HSPA+ connectivity. This modem is based on the Qualcomm MDM6200A baseband processor, and is designed for Machine-to-Machine applications.

The SAM3T uses the 3G mobile network to connect to the internet and has a range of applications from industrial machine to machine connectivity, to a wide range of 'Internet of Things' applications, only limited by your creativity!

The compact design and tough exterior mean the SAM3T is a great modem solution in a variety of environments, and has a temperature operational range from -30°C to 85°C.

The SAM3T uses standard 3GPP AT commands for standardised yet powerful development.

Please note this modem does not have an internal antenna included, though we offer a range of external antennae for use with the SAM3T - see the optional accessories section.

Features

- ◇ Among the world's smallest ready to-go cellular modems
- ◇ Provides 3G connectivity with 2G backup (in areas with 2G Coverage)
- ◇ UMTS/HSPA+/GSM/GPRS/EDGE Wireless Interfaces
- ◇ Mini USB and RJ45 Connection Interfaces, with Includes RJ45 Data Cable
- ◇ FME Male Antenna Connection
- ◇ Designed to operate in harsh conditions
- ◇ Free unlimited FOTA (firmware over-the-air) upgrades
- ◇ SIM & managed connectivity

Contents

- ◇ Intercel Smart SAM3T modem
- ◇ Data cable - 2m
- ◇ Smart SAM3T short specification
- ◇ Smart SAM3T User Guide

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Specifications

Operating Voltage	5V - 32V
Dimensions	79mm x 52mm x 24mm - 60g Weight
Wireless Interface	UTMS/HSPA + - 800/850/900/1900/2100 MHz GSM/GPRS/EDGE - 850/900/1800/1900 MHz
Other Interaces	3V/1V8 U-SIM (mini-SIM) Card RJ45 Input Socket Mini USB input socket FME Male Antenna Socket
Control Options	Standard 3GPTT AT commands - TS 27.007
Power Consumption	Standby : 30mA @ 12V Average InUse (3G) : 250mA @ 12V Average InUse (2G) : 205mA @ 12V

Optional Accessories

- ◇ Quarter Wave Spiral Panel Mount Antenna ANT-3DB-4M'
- ◇ Flexi Strip Multi Band Antenna 'EFC3G-3F'
- ◇ Multi-Band High Gain Collinear Antenna - 890mm 'WCM CD2195'
- ◇ Multi-Band High Gain Collinear Antenna - 806mm 'WCM CD2295'
- ◇ Multi Band Cellular-Gps Combination 'WCM ITG5001'
- ◇ Internal On Glass Antenna 'WCM T7F'

Ordering Information

- ◇ Smart SAM3T 3G Modem 'SAM3T'

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