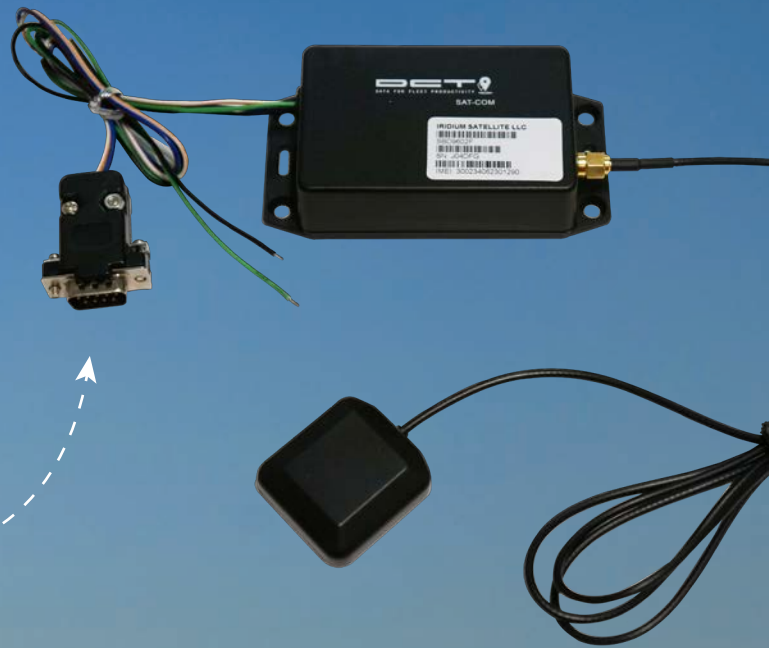# SYRUS SATCOM

DCT
DATA FOR FLEET PRODUCTIVITY

IRIDIUM SATELLITE CONNECTIVITY FOR SYRUS GPS

The Satcom is an external Satellite Communicator accessory to enables Syrus GPS tracking devices with Iridium's truly global data network coverage.

Plug & Connect compatible with Syrus GPS devices and easy to program and manage via Pegasus Gateway - web application — it's the ideal solution for critical scenarios & activities that request reliable, near real time, communication services without depending on a cellular network.

Syrus
GPS

GLOBAL COVERAGE   •   AUTOMATIC CELULLAR / SATELLITE SWITCHING   •   EASY TO INSTALL/ CONFIGURE   •   MANAGED SATELLITE DATA

SYRUS SATCOM

Enhanced Functionality & Features:

• Global operating capability using the Iridium Satellite network
• RS-232 transparent communication with Syrus GPS device / compatible with Syrus three (3)-Port Serial Expander
• Fully programmable / configurable trigger events depending on cellular coverage; automatic switching between 3G/GPRS and Satellite Network for data optimization.
• Two (2) way communication with Pegasus Gateway web server application
• Fully integrated and compatible with Pegasus Gateway Ecosystem for custom script reporting configurations
• Total control of satellite data usage within monthly rate plans
• High gain, low-profile, external Iridium antenna

Physical Specifications:

Unit Dimensions:	4.335 x 2.246 x 1.063" (110 x 57 x 27mm)
Material:	GRABS UL 94HB Plastic

Environmental Specifications:

Temperature:	Operating:	40℃ / +85℃
	Storage:	40℃ / +85℃
Humidity:	Operating:	≤ 75% non-condensing
	Storage:	≤ 93% non-condensing

Electrical Specifications:

Operating Voltage:	8V 32V DC
Current Consumption:	Idle: 25mA Tx/Rx: 80mA

Satellite Transceiver Specifications:

Ref:	9602SBD
Network:	Iridium
Frequency Range:	1616MHz to 1626.5MHz
Duplexing Method:	TDD (Time Domain Duplex)
Multiplexing Mode:	TDMA/FDMA
	Support

Antenna Characteristics:

Impedance:	50Ohm
Gain (max):	3dBi
Polarization:	RHCP
VSWR (max. operational):	1.5:1
Connector:	SMA

Mounting:
Screw Mount

Additional Features:
Over the air firmware upgrade
SatCom originated message size 340 bytes Maximum
SatCom terminated message size 270 bytes Reverse
Polarization and transient voltage protection

Mechanical Drawing (Bottom View of Lid)

110.10 mm [4.335 in]
98.40 mm [3.874 in]
85.24 mm [3.356 in]
n 2.50 mm
Slots for screws or mounting strap
30.50 mm [1.201 in]
3.00 mm [0.118 in]
43.50 mm [1.713 in]
36.00 mm [1.417 in]
n 3.50 mm THRU
w n 6.00 mm X 82.0°

BOTTOM VIEW OF LID

Mounting Holes for #6 - #8 screws (M3.5 - M4.5)

Syrus GPS

m2m cloudconnect GPRS/3G GLOBAL NETWORK

Pegasus GATEWAY