

SATCOM

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.

PART NUMBER

1103

Global operating capability using the Iridium Satellite network.

RS-232 transparent communication with Syrus GPS device / compatible with Syrus three [3]-Port Serial Expander

Two [2] way communication with Pegasus Gateway web.



Fully programmable trigger events depending on cellular coverage.

Fully integrated and compatible with Pegasus Gateway Ecosystem

High gain, low-profile, external Iridium antenna

TECHNICAL SPECIFICATIONS

PHYSICAL

Unit Dimensions (inches)	4.335 x 2.246 x 1.063
Material	GRABS UL 94HB Plastic

ENVIRONMENTAL

Operating Temperature	40°C to 85°C
Storage Temperature	40°C to 85°C
Operating Humidity	Up to 75% non-condensing
Storage Humidity	Up to 93% non-condensing

ELECTRICAL

Operating Voltage	8 - 32VDC
Current Consumption	Idle: 25mA Tx/Rx: 80mA

SATELLITE TRANSCEIVER SPECS

Ref	9602SBD
Network	Iridium
Frequency Range	1616MHz to 1626.5MHz
Duplexing Method	TFF (Tune Domain Duplex)
Multiplexing Mode	Support

ANTENNA CHARACTERISTICS

Impedance	500hm
Gain (max)	3dBi
Polarization	RHCP
VSWR (max operational)	1.5:1
Connector	SMA



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

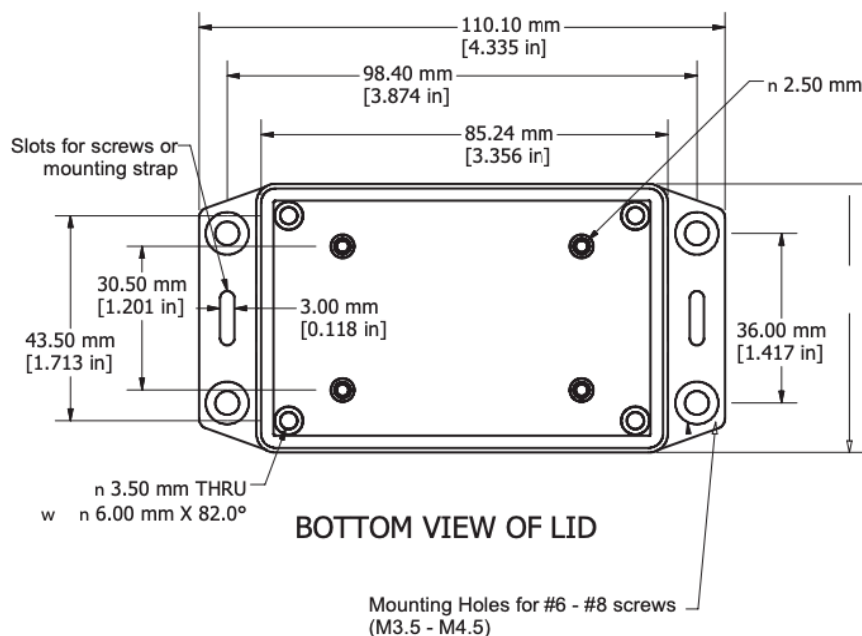
MOUNTING

Screw Mount	Yes
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PINOUT

COLOR	CABLE	DESCRIPTION
 GREEN	MAIN POWER (8-32V)	Must be connected to the Syrus main power cable (green – pin #7) or directly to the vehicle's battery positive terminal.
 BLACK	GROUND (0V - GND)	Must be connected to the Syrus GND (black – pin #1) or the same GND connection used by the Syrus. This is usually the vehicle's battery negative terminal.

DIMENSIONS



PEGASUS CONFIGURATION

COMMANDS

Set up Destination Address 1 for Satcom
>SDA1;P16<

Disable Satcom Mode
>SXABR115200<
>SXASMM0<

Enable the Satcom Mode
>SXABR19200<
>SXASMM1<

* For more information on the latest stable firmware versions, please visit our support website at support.digitalcomtech.com

ONLY AVAILABLE ON
Pegasus
Gateway

POWERED BY:

 **iridium**[®]