

eNcompass PDT-100 Packet Data Terminal



The eNcompass PDT takes full advantage of geostationary L-Band satellite communications to create an exceptional solution for real-time mobile data communications.

Always in contact means always in control. With eNcompass PDT, you're never out of touch.

eNcompass PDT gives you the power to respond faster and make the best use of *all* your resources. Its affordable, two-way real-time messaging, tracking and monitoring capabilities help you cut costs, improve customer service and boost operational efficiency.

Features

- Real-time, two-way communications, tracking and monitoring (less than a 10 second response time)
- Built-in GPS
- L-band satellite technology
- Patented omni-directional antenna
- No moving parts for maximum reliability and requires no maintenance
- Coverage of North and Central America – extending 250 miles off the coasts
- All-in-one packaging
- Lightweight: under 3 lbs.
- Discrete inputs and outputs for monitoring applications
- RS-232 connection to optional DTE (Data Terminal Equipment)
- Affordable Packet Data Solution



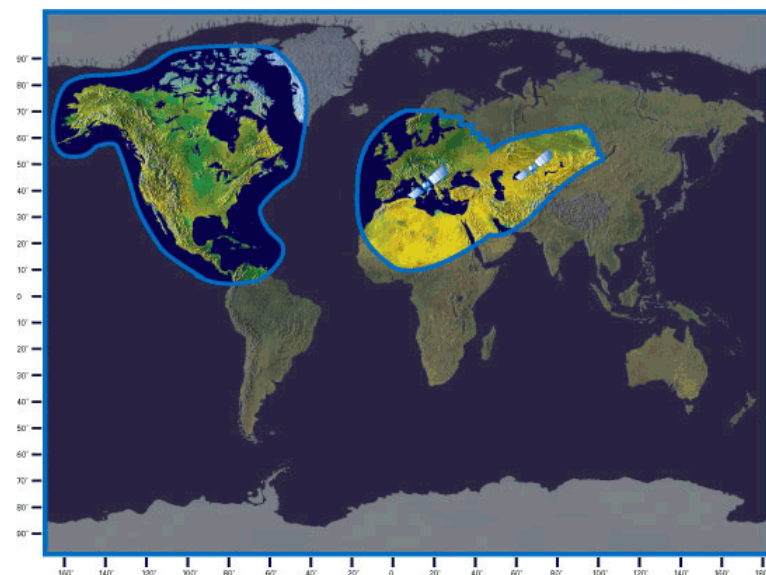
Preferred Communications

410 Central Avenue
Butner, NC 27509

www.satstar.com

Phone: 800-300-6020
Fax: 919-575-4633

Email: carlyn.lehman@satstar.com



eNcompass PDT coverage includes North and Central America and extends into the northern part of South America and 250 miles off the coasts.

Where is the PDT-100 Used?

Transportation

- A complete tracking and fleet management system

Utilities

- Increasing productivity and improving worker safety with the eNcompass PDT

Public Safety

- Respond decisively to fast-changing situations – deploy field resources where they're needed most

SCADA

- Telemetry acquisition of data in real time
- Ease of installation and no antenna pointing required

Marine

- Vessel monitoring
- Work boat tracking, monitoring and messaging

Specifications

Power

Input Voltage	9Vdc-16Vdc, nom per SAE J1455
Receive Mode	3W (180mA)
Transmit Mode	48W for 0.5s, 10% duty cycle
	(4A at 12Vdc)

Interfaces

Communications	RS-232, GSM 07.05
Mounting	3-point mount

Frequency

Receive Band	1525 – 1559 MHz
Transmit Band	1626.5 – 1660.5 MHz

GPS

Accuracy	±10m
Channels	8/12
Data Format	NMEA 0183

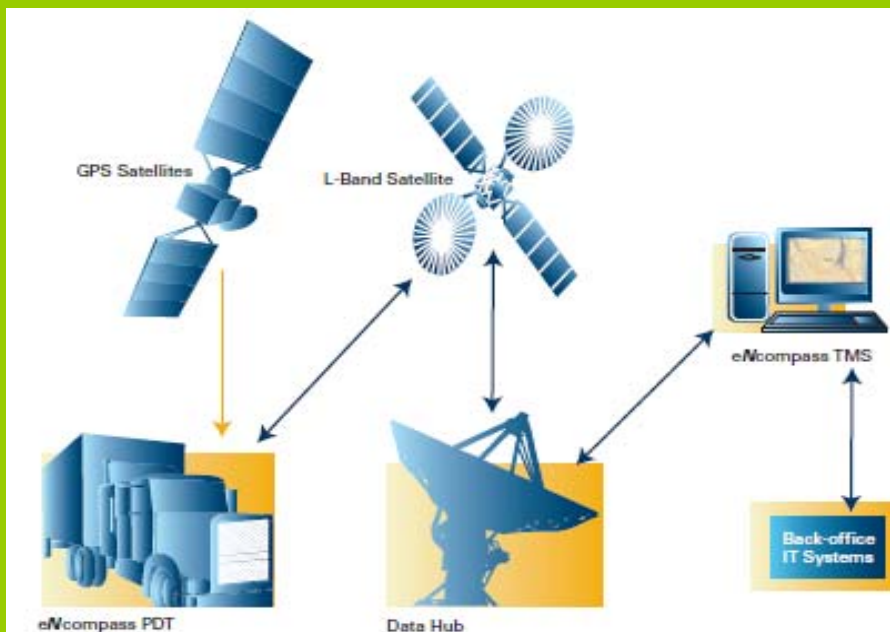
Dimensions

Weight	3 lbs.
Size	7.8" diameter x 5.8" high

Environmental Specifications

Operating Temperature	-40°C to +50°C
Storage Temperature	-55°C to +85°C

How It Works



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