LEO-500i Kit

Remote Environment Management

INTEGRATED IRIDIUM ANTENNA AND MODEM FOR REMOTE INSTALLATION

## Get the Best Signal Possible for Your Iridium Satellite Out-of-Band Connection

Combine with the Lantronix LM Series for reliable remote access to network infrastructure, advanced management automation and security anywhere on the planet.

The LEO-500i Kit

The Lantronix LM-Series can utilize the reliability of the Iridium system of low-earth orbiting (LEO) satellites to provide out-of-band (OOB) connectivity to remote networks. With Iridium's coverage of the entire Earth, including oceans and the poles, The LM-Series can deploy anywhere, providing constant connectivity and the power of the most trusted IT admin everywhere, all the time.

To ensure the best Iridium signal for OOB, there is the Lantronix LEO-500i kit. The LEO kit makes it possible to place an Iridium antenna and modem at an optimal location for a clean, strong signal – up to 500 feet from the networking gear and the LM-Series device that it is supporting.

The kit consists of two components: an above deck unit (ADU) and a below deck unit (BDU). The ADU integrates a GPS, Iridium modem and antenna in a weatherproof IP67-rated housing. Also in the ADU is an RS422 converter that transmits over standard Cat5 cable to the BDU. The BDU has connections for power and a port adapter to connect as the OOB modem for the LM-Series.
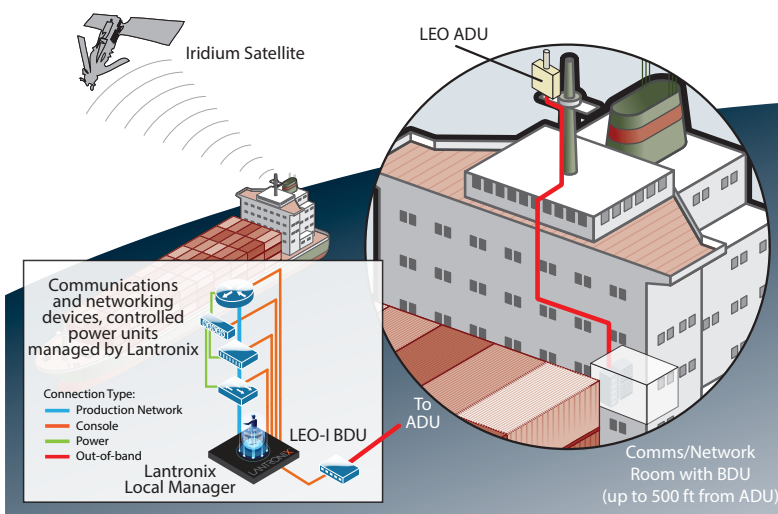
Iridium communications rely on line-of-sight with one of the 66 LEO satellites, so antenna placement is critical. Also important is a clear signal between antenna and the Iridium modem, which Lantronix achieved by minimizing the distance between them through the integration in the ADU. In this illustration of a maritime deployment, the ADU is placed at a location with maximum view of the sky and limited obstructions. Other uses of the Lantronix LEO kit include locations where buildings or terrain might impede clear view of the Iridium constellation of satellites.

Perfect For:

Remote Sites

Maritime

LEO-500i Kit Highlights

- Place Iridium and GPS antennas in an optimal signal location
- Connect over less expensive Cat5 cable instead of LMR
- Use with Lantronix REM products for remote access to network gear anywhere in the world

LANTRONIX

Lantronix LEO-500i Kit

Making VSAT Networks Stronger

Lantronix offers a smarter approach to reducing the cost and complexity of supporting satellite network environments. Lantronix LM-Series devices enable operators to remotely monitor and control both satellite and terrestrial-based network equipment. The appliances co-locate and connect serially with network and satellite communications equipment to provide non-stop local management and control.

Lantronix LM-Series devices automate numerous network support, maintenance, configuration and recovery procedures—reducing the time, cost and error associated with manual support. Lantronix's automated capabilities include:

- Detecting and correctly diagnosing equipment and communications failures
- Executing pre-defined, best-practice recovery procedures
- Provisioning and re-provisioning services
- Configuring devices via remote administration
- Measuring and managing remote network service levels from an end-user's perspective enables enterprises to more quickly diagnose issues and resolve them, before they impact business operations.

System Specifications

Above Deck Unit (ADU)

- Size:
  Width: 6.25"
  Height: 8.25"
  Depth: 5.00"
- Connections:
  Iridium Signal (RS422)
  Optional GPS Signal (RS422)
  Optional Handset
  Connector Power (from BDU)
- Case:
  Stainless steel, IP67 waterproof connectors

Below Deck Unit (BDU)

- Case Size:
  Width: 5.88"
  Height: 1.75"
  Depth: 4.88"
- Connections:
  Iridium Signal (RS422)
  Optional GPS Signal (In/Out)
  OOB Modem (RS232)
  Power: AC - 24 VDC

Product SKUs

Part Number	Description
67-1040-06	LEO-500i Satellite Modem Kit

Above Deck Unit (ADU)

Below Deck Unit (BDU)

Americas
americas_sales@lantronix.com
www.lantronix.com
NASDAQ: LTRX

Europe
eu_sales@lantronix.com

Asia/Pacific
asiapacific_sales@lantronix.com

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