

# L-3 AR Maritime Products

## PROTEC AIS SHORE STATION



The L-3 PROTEC AIS Shore Station is a turnkey rack system solution that offers all the functionality expected in an AIS Physical Shore Station. The PROTEC AIS Shore Station integrates all the necessary components to support AIS reception/transmission, autonomous (redundant) failover, data archiving, antenna switching, power conditioning and monitoring, and network support. The rack systems are fully scalable and customizable and can be tailored to meet the specific needs of any project.



### KEY FEATURES

- Modular, scalable and customizable design
- Single or redundant configuration
- Standard or enhanced AIS transceiver(s)
- Base station controller
- Separated or combined TX/RX antenna support
- Antenna control for redundant configuration
- UPS with expandable battery pack
- Full remote monitoring and control
- Retractable keyboard and monitor
- Delivered on-site fully or partially assembled



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## PROTEC AIS SHORE STATION

### PHYSICAL DIMENSIONS

Height:	1295.40 - 2438.4 mm (51-96 inches)
Width:	482.60 mm (19 inches)
Depth:	609.60 - 889.0 mm (24-35 inches)

### AIS RX SENSITIVITY

PROTEC-HS	-115 dBm at 20% PER
PROTEC-BS	-107 dBm at 20% PER
Frequency Range:	156.025 - 162.025 MHz

### AIS TX POWER

PROTEC-HS	2 - 12.5W, 25 - 50W
PROTEC-BS	25 - 50W, 25 - 100W

### BASE STATION CONTROLLER

Auto-Failover	Supported (Redundant)
Auto-Archive	Supported
Archive Retrieval	Supported

### ANTENNA SUPPORT

Separated TX/RX:	Supported
Combined TX/RX:	Supported
Antenna Controller:	Supported (Redundant)

### NETWORK CONNECTIVITY

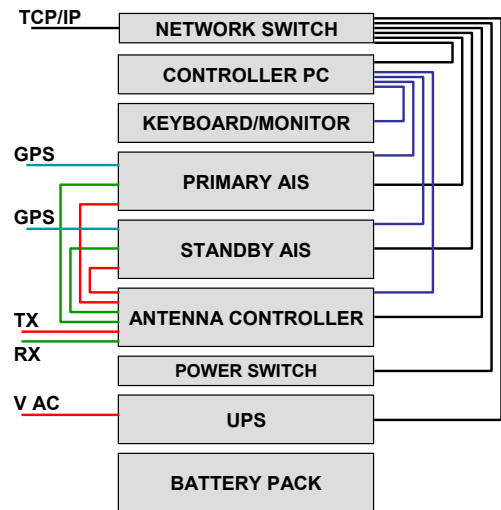
IEC PI :	(8) Ethernet (TCP/IP)
VDL Diagnostics:	(8) Ethernet (TCP/IP)
UPS Monitoring:	Ethernet (TCP/IP)
Power Control:	Ethernet (TCP/IP)

### SERIAL CONNECTIVITY

IEC PI	(2) RS232
Diagnostics:	(2) RS232

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IEC PI	(2) RS232
Diagnostics:	(2) RS232



L-3 Aviation Recorders Quality Management System is ISO 9001:2000 and AS9100:2004 Rev. B Certified

### Aviation Recorders

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**communications**  
Aviation Recorders

L-3. Headquartered in New York City, L-3 Communications employs over 64,000 people worldwide and is a prime contractor in aircraft modernization and maintenance, C<sup>3</sup>ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, subsystems and systems. The company reported 2007 sales of \$14 billion.

MAR043 Rev \*A This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.