

## Ruggedized Command & Control Solutions

# Lightweight Data Terminal (LDT)

### Key Features

- High-performance Pentium® M 1.4 GHz processor
- Fully sunlight readable WSVGA touch screen display
- Built tough to survive in the harshest operational environments
- Runs Microsoft Windows® 2000 or XP



L-3 leads the way in ruggedized computer applications with its new Lightweight Data Terminal (LDT). The LDT is a highly ruggedized product offering a high resolution WSVGA display (1024 x 600) and the ability to enable multiple applications using industry standard interfaces. The LDT effectively supports a wide array of hazardous applications where size, weight, and extreme environmental protection are vital factors. The LDT's rugged design features a large display, processing power and ease of operation, making it an ideal choice for use as a handheld digital platform in challenging environmental conditions. The LDT was primarily created for employment by ground and naval artillery forward observers, air control, precision targeting teams, long range reconnaissance and surveillance patrols, combat communications teams, and as a situational awareness tool for the dismounted soldier. Because of its compact form, fully enclosed chassis and extreme durability, the LDT is utilized in a variety of law enforcement applications, as a remote medical communication transportation tool and as an excellent option for the harsh operating environments of the mining, oil and gas industries.



# Ruggedized Command & Control Solutions

## Lightweight Data Terminal (LDT)

### SPECIFICATIONS

#### Functional

CPU	Pentium M 1.4 GHz
RAM	512 MB to 1 GB
Hard Disk	
Drive capacity	30 GB
Graphics	Vesa compliant, 24 bit color, Open GL & Direct X9.0 compliant
Display	5.6-inch diagonal WSVGA 1024 x 600, sunlight readable
Audio	Integrated speaker and software for audible voice alarm indication of up to 10 words
Electronic Purge	Single function key activation

#### Input/output Devices

Keyboard	Software QWERTY 87 key via touch screen
Pointing Function	Stylus, touch screen
Switches	14 switches backlight enhanced
Indicators	Power, Battery and HDD status

#### Input/output Ports

External power input	
Serial ports	Two (RS-232/ RS-423)
USB	Three (USB 2.0)
Ethernet port	One 10/100Base-T

#### ENVIRONMENTAL

Temperature	<ul style="list-style-type: none"><li>• Operating range (internal battery) -20°C to 51°C</li><li>• Operating range (external battery or DC) -34°C to 51°C</li><li>• Nonoperating range: -40°C to 55°C * with solar loading</li></ul>
Impact (survive)	1.2 m drop on all faces
Shock	Operating 30g, 18ms half sine Survive 50g, 11ms half sine
NBC	MIL-STD-1472C/FM3-5
Altitude	15,000 feet
Humidity	5% to 95% fog or mist (condensing)
Rain	250 mm/hr for 1 hour
Sand/Dust	1.1 g/cm <sup>3</sup> @ 26 m/sec for 1 hour
EMI	MIL-STD-461E Ground equipment
EMP	MIL-STD-461D, RS105

#### Physical

Dimensions	230 mm (W) x 120 mm (D) x 45 mm (H) (9.06" x 4.71" x 1.77")
Weight	1.5 kg including battery (3.3 lbs)

#### Other Key Characteristics

Reliability	8,000 MTBF
Maintainability	30 minutes or less MTTR
Covert Operations	Single button held for 400 msec
Battery life	Normal system operation of 4.5 hours
External power	12 VDC @ 1.3 (Amp operating) 12 VDC @ 3.5 (Amp charging)

#### Human factors

All controls are usable with combat, NBC and cold weather gloves

#### Operating Systems

Microsoft Windows 2000  
Microsoft Windows XP

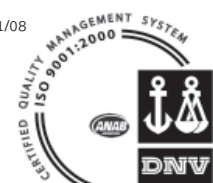
#### Optional

Tempest	Designed to meet Tempest requirements for radiated emissions
External Power Supply	
Vehicle Mount	

### Ruggedized Command & Control Solutions

10770 Wateridge Circle  
Suite 100  
San Diego, California 92121 USA  
Phone: 1-800-447-4373

All products or service names herein are trademarks of their respective owners.  
© 2008 L-3 Communications. All rights reserved.  
Specifications subject to change without notice. 01/08  
LDT 08/26/08 ver 1.2



L-3. Leading. Headquartered in New York City, L-3 Communications employs over 63,000 people worldwide and is a prime system contractor in aircraft modernization and maintenance, C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, systems and subsystems. The company reported 2006 sales of \$12.5 billion.

Cleared by DoD/OSR for public release under OSR Case No. 07-S-1108 on 27 March 2007.