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LT360PA Rugged Laptop

Compact, Purpose-Built for Mission-Critical Environments

The DT Research Rugged Laptops integrate touchscreens, Intel® Core™ Ultra 5/7 processor, and full-size keyboard. They feature built-in Wi-Fi, optional 2D barcode scanner, smart card/ CAC reader, night vision screen, RFID, and other data capture options. These laptops offer advanced identity verification for secure data access. The optional night vision screen supports MIL-STD-3009 Class B NVIS mode, adding an extra layer of security for light-sensitive situations. Rated IP65 and compliant with MIL-STD-810H/461G, these powerful rugged laptops support a wide temperature range, ensuring reliable operation in harsh, mission-critical environments.





Features

- 13.3" high-brightness touchscreen; digital pen support
- Intel® Core™ Ultra 5/7 processor
- Microsoft® Windows® 11 IoT Enterprise operating system
- Dual color backlit keyboard with multi-touch pad
- Robust design with antimicrobial coating
- Hot-swappable batteries for 24/7 operation
- Modular design to easily replace batteries
- IP65-rated for water and dust resistance
- MIL-STD-810H for shock and vibration protection
- MIL-STD-461G for EMI and EMC tolerance
- 2 MP IR camera with privacy cover; supports Windows Hello

Major Options

- 4K (3840 x 2160) resolution screen
- MIL-STD-3009 class B night vision screen
- 4G LTE
- 2D barcode scanner
- CAC card reader
- GPS module
- RFID
- Additional 1x latest USB/charging and 1x RJ45, or SFP connector or 24-pin Fischer connector

Specifications



Model	LT360PA
System	
CPU	Intel® Core™ Ultra 5 processor 225H, 14-core (up to 4.9 GHz) Intel® Core™ Ultra 7 processor 255H, 16-core (up to 5.1 GHz)
RAM	Ultra 5: 16GB LPDDR5 Ultra 7: 16GB to 32GB LPDDR5
Storage	512GB to 2TB SSD
Operating System	Microsoft® Windows® 11 IoT Enterprise
NIST Compliance	NIST compliant BIOS available
Buttons	1 x power button, 1 x 2D scanner or NVIS mode trigger button, 2 x brightness touch buttons, 2 x programmable touch buttons
Microphone	Built-in microphone array
Speaker	Built-in speaker
Camera	2 MP IR camera with privacy cover; supports Windows Hello
Display	
Screen Size	13.3" touchscreen
Resolution	1920 x 1080, or 3840 x 2160 (optional)
Luminance	Standard high-brightness 1000 nits Optional night vision screen – daylight mode: 800 nits; NVIS mode: 0 to 20 nits Optional night vision screen – daylight mode: 800 nits; NVIS mode: 0 to 0.7 nits
Keyboard	
Keys	QWERTY, full row of F1 to F12 function keys; Keys for Copilot / Windows shortcuts, media controls, screen brightness
Backlight	Yes
Touch Pad	Multi-touch
Wireless Network Interface	
WLAN	Wi-Fi 802.11ax 2.4/5/6 Ghz three band
BT	5.4
I/O Ports	
USB Port	2 x USB-A, 1 x latest USB/charging (optional: additional 1 x latest USB/charging)
Ethernet	1 x 10/100/1000 MB Base-T RJ45 LAN (optional: additional 1 x RJ45)
HDMI-out	1
Audio Jack	1 (3.5 mm)
24-pin Fischer Connector (optional)	1
SFP Connector (optional)	1
DC-in Jack	1
SD Card Reader	1
Nano SIM Card Slot	1
Mechanical and Environmental	
AC/DC Adapter	Input: 100 to 240V AC; Output: 19V, 230W
Battery Pack	2 x Hot-swappable batteries (11.4V, 5400mAh) (Optional)2 x Hot-swappable batteries (11.4V, 8000mAh)
Enclosure	ABS + PC plastic and magnesium-aluminum alloy with antimicrobial coating
Dimensions (H x W x D)	1.22 x 13.66 x 9.84 in/31 x 347 x 250 mm
Weight	6.21lbs/2.82 kg (with battery)
Durability	IP65, MIL-STD-810H and MIL-STD-461G certified
Regulatory	FCC Class B, CE, CB, RoHS, EPEAT, Cyber, Energy Star 8.0 compliant
Temperature	Operation: -10°C to 60°C (14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F); Storage: -55°C to 70°C (-67°F to 158°F)
Humidity	0% to 90% non-condensing
Kensington Lock	1
Major Options	
Night Vision Screen – Luminance	Option 1: Daylight mode: 800 nits; NVIS mode: 0 to 20 nits. MIL-STD-3009 class B compliant, providing clear readability of display with the naked eye in dark environments, does not interfere with NVGs Option 2: Daylight mode: 800 nits; NVIS mode: 0 to 0.7 nits. MIL-STD-3009 class B compliant, providing clear readability of display with NVGs in dark environments
Mobile Broadband	4G LTE
GNSS	GPS
Barcode Scanner	2D barcode scanner (reads 1D and 2D)
Smart Card/CAC Reader	Full-slot (reads ISO 7816 T=0, T=1); 1.8/3/5V smart card
RFID Reader	Dual frequency (reads 125 KHz and 13.56 MHz credentials)

* Specifications subject to change without notice.

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Product Configurator
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