



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) Standard high-brightness 1000 nits | |
| Luminance | 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 | CE, FCC Class B, CB, RCM, EPEAT, Energy Star 8.0 | |
| 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.

