



## LT365PA Rugged Laptop

### Compact, Purpose-Built for Mission-Critical Environments

The DT Research Rugged Laptop integrates a 15.6-inch touchscreen, an Intel® Core™ Ultra 5 or 7 processor, and a full-size keyboard. With built-in Wi-Fi, an IR camera, and optional features such as a smart card/CAC reader, night vision display, RFID reader, NFC reader, and other data-capture options, the laptop provides advanced identity verification for secure data access. The optional night vision display supports MIL-STD-3009 Class B NVIS mode, making it suitable for light-sensitive operating environments. The optional embedded NVIDIA RTX™ graphics card delivers enhanced performance and efficiency, enabling the LT365PA to handle demanding tasks such as rendering, image analysis, and artificial intelligence (AI). With an IP65 rating and compliance with MIL-STD-810H, this powerful rugged laptop supports a wide operating temperature range, ensuring reliable performance in harsh, mission-critical environments.

### Features

- 15.6" 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
- 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
- 5 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 or 5G
- NVIDIA RTX A2000, RTX 5000A graphics card
- CAC card reader
- GPS module
- NFC reader
- RFID reader
- Optional 1 × 24-pin Fischer connector, 1 × USB-A connector, and 1 × RJ45 or SFP connector

# Specifications



|                                     |           |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                               |           | LT365PA                                                                                                                                                                                                                                                                                                                                                                        |
| System                              |           |                                                                                                                                                                                                                                                                                                                                                                                |
| CPU                                 |           | Intel® Core™ Ultra 5 processor 225H, 14-core (up to 4.9 GHz)<br>Intel® Core™ Ultra 7 processor 255H, 16-core (up to 5.1 GHz)                                                                                                                                                                                                                                                   |
| RAM                                 |           | Ultra 5: 16GB LPDDR5<br>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                              |           | 5 MP IR camera with privacy cover; supports Windows Hello                                                                                                                                                                                                                                                                                                                      |
| Display                             |           |                                                                                                                                                                                                                                                                                                                                                                                |
| Screen Size                         |           | 15.6” high-brightness 1200 nits touchscreen                                                                                                                                                                                                                                                                                                                                    |
| Resolution                          |           | 1920 x 1080, or 3840 x 2160 (optional)<br>Standard high-brightness 1200 nits                                                                                                                                                                                                                                                                                                   |
| Luminance                           |           | Optional night vision screen – daylight mode: 800 nits; NVIS mode: 0 to 20 nits<br>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                            |           | 1 x USB-A (optional: additional 1 x USB-A)<br>2 x latest USB/charging                                                                                                                                                                                                                                                                                                          |
| Ethernet                            |           | 1 x 10/100/1000 MB Base-T RJ45 LAN (optional: additional 1 x RJ45)                                                                                                                                                                                                                                                                                                             |
| Audio Jack                          |           | 1 (3.5 mm)                                                                                                                                                                                                                                                                                                                                                                     |
| 24-pin Fischer Connector (optional) |           | 1                                                                                                                                                                                                                                                                                                                                                                              |
| SFP Connector (optional)            |           | 1                                                                                                                                                                                                                                                                                                                                                                              |
| DC-in Jack                          |           | 1                                                                                                                                                                                                                                                                                                                                                                              |
| SD Card Reader                      |           | 1                                                                                                                                                                                                                                                                                                                                                                              |
| SIM Card Slot                       |           | 1                                                                                                                                                                                                                                                                                                                                                                              |
| Headset Jack                        |           | 1                                                                                                                                                                                                                                                                                                                                                                              |
| Mechanical and Environmental        |           |                                                                                                                                                                                                                                                                                                                                                                                |
| AC/DC Adapter                       |           | Input: 100 to 240V AC; Output: 19V DC, 120W<br>Input: 100 to 240V AC; Output: 19V DC, 230W (for GPU SKU)                                                                                                                                                                                                                                                                       |
| Battery Pack                        |           | 2 x Hot-swappable batteries (11.4V, 5400mAh)<br>(Optional) 2 x Hot-swappable batteries (11.4V, 8000mAh)                                                                                                                                                                                                                                                                        |
| Enclosure                           |           | ABS + PC plastic and magnesium-aluminum alloy                                                                                                                                                                                                                                                                                                                                  |
| Dimensions (H x W x D)              |           | 1.52 x 14.76 x 10.63 in/38.5 x 375 x 270 mm                                                                                                                                                                                                                                                                                                                                    |
| Weight                              |           | 8.6lbs/3.9 kg (with battery)                                                                                                                                                                                                                                                                                                                                                   |
| Durability                          |           | IP65, MIL-STD-810H certified                                                                                                                                                                                                                                                                                                                                                   |
| Regulatory                          |           | FCC Class B, CE, CB, RoHS, EPEAT, Cyber compliant                                                                                                                                                                                                                                                                                                                              |
| Temperature                         |           | Operation: -10°C to 60°C (14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F);<br>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<br>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                                                                                                                                                                                                                                                                                                                                                                            |
| Graphics Card                       |           | NVIDIA RTX A2000, RTX 5000A graphics card                                                                                                                                                                                                                                                                                                                                      |
| 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)                                                                                                                                                                                                                                                                                                                       |
| NFC Reader                          |           | ISO/IEC 14443 Type A and B up to 848 kbit/s; FeliCa at 212 and 424 kbit/s;<br>MIFARE Classic 1K and 4K; NFC Forum Type 1, 2, 3, 4, and 5 tags; ISO/IEC 15693                                                                                                                                                                                                                   |

\* Specifications subject to change without notice.

