



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 a built-in Wi-Fi module, optional IR front camera, 2D barcode scanner, smart card/ CAC reader, night vision screen, NFC/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 rugged laptops support a wide temperature range, ensuring reliable operation in harsh, mission-critical environments.

Features

- 13.3" or 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
- Robust design with antimicrobial coating
- One SSD slots, support up to 4TB with RAID 0/RAID 1
- Hot-swappable batteries for 24/7 operation
- Modular design to easily replace the batteries
- IP65-rated for water and dust resistance
- MIL-STD-810H for shock and vibration protection
- MIL-STD-461G for EMI and EMC tolerance



Major Options

- 4K (3840 x 2160) resolution screen
- MIL-STD-3009 class B night vision screen
- IR camera support Windows hello with privacy cover
- 4G LTE
- Embedded NVIDIA RTX™ A1000, A200, 2000A, M3A4500 or A4500 MXM graphics card (LT365PA)
- 2D barcode scanner (LT360PA)
- CAC card reader
- GPS module
- NFC (LT365PA)
- RFID
- DVD-ROM (LT365PA)

Specifications



Model		LT360PA	LT365PA
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	16G to 32G LPDDR5		16G to 32G LPDDR5
Storage	256GB to 2TB SSD (supports removable SSD and RAID)		256GB to 4TB SSD (supports removable SSD and RAID)
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		Built-In microphone array
Speaker	Built-in speaker		Built-in speaker
Display			
Screen Size	13.3" touchscreen		15.6" high-brightness (1200 nits) touchscreen
Resolution	1920 x 1080, or 3840 x 2160 (optional) Standard high-brightness (1000 nits)		1920 x 1080, or 3840 x 2160 (optional) Standard high-brightness (1200 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		Yes
Touch Pad	Multi-touch		Multi-touch
Wireless Network Interface			
WLAN	Wi-Fi 802.11ax 2.4/5/6 Ghz three band		Wi-Fi 802.11ax 2.4/5/6 Ghz three band
BT	5.4		5.4
I/O Ports			
USB Port	2 x USB-A, 1 x latest USB/charging (optional: additional 1 x latest USB/charging)		1 x USB-A (optional: additional 1 x USB-A)
Ethernet	1 x 10/100/1000 MB Base-T RJ45 LAN (optional: additional 1 x RJ45)		1 x 10/100/1000 MB Base-T RJ45 LAN (optional: additional 1 x RJ45)
HDMI-out	1		N/A
Audio Jack	1 (3.5 mm)		1 (3.5 mm)
24-pin Fischer Connector (Optional)	1		1
SFP Connector (Optional)	1		1
DC-In	1		1
SD Card Reader	1		1
Nano SIM Card Slot	1		1
Thunderbolt	N/A		2
Kensington Lock	1		1
Mechanical and Environmental			
AC/DC Adapter	Input: 100-240V AC; Output: 19V, 230W		
Battery Pack	2 x hot-swappable battery (11.4V, 5400mAh) 2 x hot-swappable battery (11.4V, 8000mAh) (optional)		
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		1.52 x 14.76 x 10.63 in/38.5 x 375 x 270 mm
Weight	6.21lbs/2.82 kg (with battery)		8.6lbs/3.9 kg (with battery)
Durability	IP65, MIL-STD-810H and MIL-STD-461G certified		IP65, MIL-STD-810H 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		
Major Options			
Camera	IR camera support Windows hello with privacy cover		
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		4G LTE
GNSS	GPS		GPS
Graphics Card	N/A		Embedded NVIDIA RTX™ A1000, A200, 2000A, M3A4500, or A4500 MXM graphics card
Barcode Scanner	2D barcode scanner (reads 1D and 2D)		N/A
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)		Dual frequency(reads 125 KHz and 13.56 MHz credentials)
NFC Reader	N/A		ISO/IEC 14443 Type A and B up to 848 kbit/s; FeliCa at 212 and 424 kbit/s; MIFARE Classic 1K and 4K; NFC Forum Type 1, 2, 3, 4, and 5 tags; ISO/IEC 15693
DVD-ROM	N/A		8x DVD±R write, 6x DVD±R DL write, 5x DVD-RAM write, 24x CD-R write

* Specifications subject to change without notice.