LT355 Rugged Mobile Workstation

Purpose-Built for Mission-Critical Environments

The LT355 Rugged Mobile Workstation features the integration of a 15.6" touchscreen, an Intel® Core™ i7/i5 processor, and a full-sized keyboard set. With the built-in Wi-Fi, BT, and smart card/CAC reader, the LT355 offers seamless information capture for instant transmission and is ideal for use either in the field or in the office. While its large, high-brightness (1200 nits) LCD touchscreen provides a clear view to enhance the degree of visual comfort, the optional embedded NVIDIA RTX™ graphics card guarantees even higher performance and efficiency by enabling the LT355 to process demanding tasks such as rendering, image analysis, and artificial intelligence (AI). IP65 and MIL-STD-810H certified, the LT355 is ideal for operations in demanding, mission-critical environments.

Features

- 15.6" LED-backlit, high-brightness (1200 nits) touchscreen; supports digital pen
- Intel® Core™ i7/i5 processor
- Microsoft® Windows® 10/11 IoT Enterprise OS
- NIST compliant BIOS available
- Back-lit keyboard with multi-touch pad
- Built-in Wi-Fi and BT
- Built-in smart card/CAC reader
- SSD slot to support RAID 0/RAID 1
- Dual RAM slots, up to 64GB
- Dual hot-swappable batteries for 24/7 operation
- IP65-rated for water and dust resistance
- MIL-STD-810H for shock and vibration protection (up to 3 feet drop protection)

Major Options

- Embedded NVIDIA RTX™ A1000 or A2000 MXM graphics card
- Night vision screen

Specifications

System

CPU	Intel® Core™ i5-1340P, 12-Core, up to 4.6 GHz Intel® Core™ i7-1370P, 14-Core, up to 5.2 GHz
RAM	8GB to 64GB (Dual-Slot)
Storage	64GB to 2TB SSD (Supports Removable SSD and RAID)
Operating System	Microsoft® Windows® 10/11 IoT Enterprise
NIST Compliance	NIST Compliant BIOS Available
Display	15.6" High-Brightness (1200 nits) Touchscreen
Display Resolution	1920 x 1080
Trusted Platform Module	fTPM 2.0
Microphone	Built-In Microphone
Speaker	Built-In Speaker

Keyboard

Keys	QWERTY, full row of F1 to F12 function keys Keys for 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	Yes

I/O Interface

USB Port	3 x USB-A
Ethernet	1 (Ethernet 10/100/1000MB Base-T LAN)
COM Port	1
HDMI-out	1
Smart Card/CAC Reader	1
Buttons	1 x Power Button, 4 x Programmable Touch Buttons

Mechanical and Environmental

AC/DC Adapter	Input: 100-240V AC; Output: 19V, 230W Adapter
Battery Pack	(Optional) 2 x 60W/90W Hot-Swappable Batteries (11.4V, 5400mAh)
Enclosure	ABS + PC Plastic and Magnesium-Aluminum Alloy
Dimensions (H x W x D)	2.1 x 15.2 x 11.7 in/54.4 x 385 x 297 mm
Weight	9.70 lbs/4.4 kg
Durability	IP65 and MIL-STD-810H Certified, 3 Feet Drop Protection
Certifications	CE, FCC, RoHS, UL
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 Option

Graphics Card	Embedded MXM GPU Module with Embedded NVIDIA RTX™ A1000 or A2000 MXM
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.

* Specifications subject to change without notice.

Accessories

· USB Port Replicator   · Battery Pack   · Battery Charger Kits   · Battery Gang Charger

Product Configurator

www.dtresearch.com/productconfig