L140TG-4

14" Intel® Core™ i5-1135G7 Rugged Laptop



KEY FEATURES

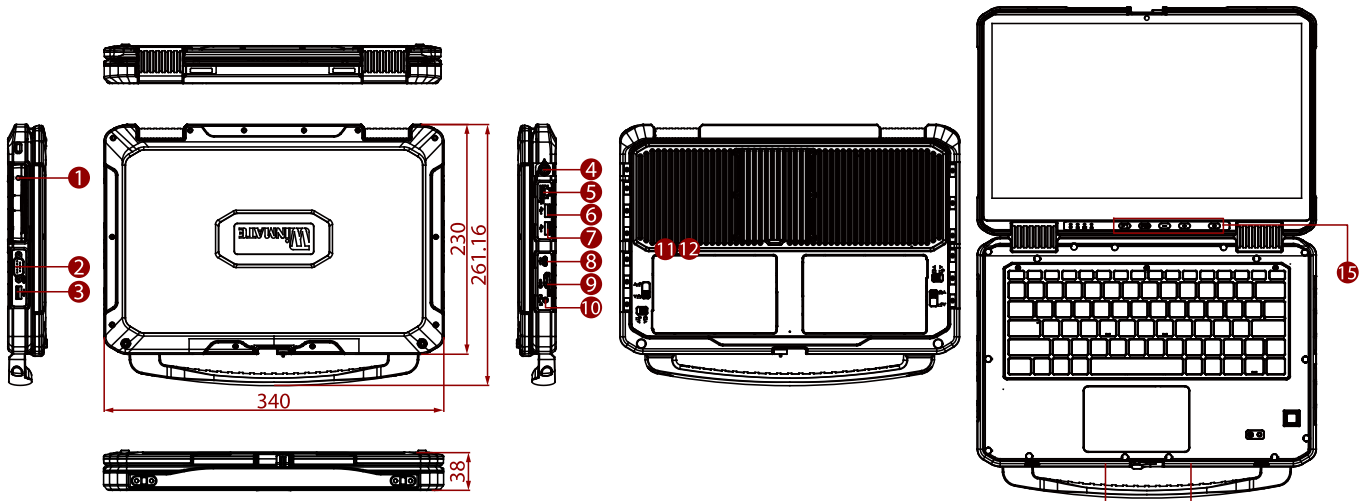
- Rugged Laptop with 11th Gen. Intel® Processor Family – Tiger Lake Processor
- Fanless Cooling System
- 14" 1920 x 1080 LED panel with direct optical bonding
- Anti-glare technology for sunlight readability
- Flip design for quick switching between rugged laptop and rugged tablet modes
- Dual battery with hot-swappable design for whole-day-work
- Expansion slot supporting optional 2nd removable SSD and smart card reader

SPECIFICATIONS

Display			
Bonding	Optical Bonding for Sunlight Viewability	**Resolution**	1920x1080
Size	14 inches	**Contrast Ratio**	800:1
Panel Brightness	700 nits	**View Angles**	85,85,85,85
Type	Projected Capacitive Multi Touch		
System Specification			
Processor	Intel® Core™ i5-1135G7 @ 2.40GHz, up to 4.20GHz 8M Cache; 4 cores	**Memory**	8GB SODIMM DDR4-2133 16GB SODIMM DDR4-2133 (Optional) 32GB SODIMM DDR4-2133 (Optional)
Storage	256GB M.2 SSD 512GB M.2 SSD (Optional) 1TB M.2 SSD (Optional) 2TB M.2 SSD (Optional) Additional storage available with up to 2TB M.2 (PCIe NVMe) SSD, self-encrypted. (Optional)	**Ethernet controller**	1 x RJ45-10/100/1000 Mbps LAN
Security	Trusted Platform Module (TPM) 2.0 Kensington Lock	**Operating System**	Windows 10 IoT Enterprise (64 bit)
WLAN	Support	**BT**	Support
WWAN	4G LTE (Optional)	**GNSS**	GPS/GLONASS
RFID	HF RFID (Optional)	**Smart Card Reader**	Smart Card Reader (Optional)
Fingerprint Scanner	Fingerprint scanner (Optional)		
Camera			
Front Camera	2MP front camera	**Rear Camera**	8MP rear camera with autofocus and LED light (Optional)
Mechanical			
Dimension	340 x 230 x 38 mm	**Weight**	2.55kg
Cooling System	Fanless thermal design		
IO Ports			
USB Port	3 x USB 3.0 (Type A), 1 x USB 3.0 (Type C)	**Serial Port**	1 x RS232 (DB9)
SD Card Slot	1 x Micro SDXC Slot	**SIM Card Slot**	1 x Nano SIM card slot
Video	1 x HDMI 2.0b	**Audio**	1 x Audio Jack (mic in/line out)

Expansion Port	1 x Expansion slot for smart card reader and removable SSD (Optional)	**LAN**	1 x RJ45-10/100/1000 GigaLAN port
Indicator	4x LED Indicator for Power, Battery, HDD, RF status	**Docking Connector**	1 x docking connector
Environment			
Operating Humidity	10% to 90% RH, non-condensing	**Operating Temperature**	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Storage Temperature	-30°C to 70°C	**Shock**	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	**IP rating**	IP65 certified, dustproof and waterproof
Drop	MIL-STD-810H Method 516.8, 3 ft		
Certification			
Certification	CE, FCC		
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance	**Kensington Lock**	Kensington Lock Support
Control			
Button	1 x Power, 2 x volume key, 2 x Programmable Function Keys		
Power			
Battery	Hot-swappable 2 x 10.8V typ. 2400 mAh Li-Polymer Battery (3S1P)	**Battery Operating Time**	Standard Battery: 9 hours
Power Rating	19V DC	**Adapter**	100-240V, 50-60Hz (19V DC)
Accessory			
Accessory	Adapter and Power Cord Standard Battery	**Optional Accessory**	Spare Battery (Optional) Battery Charger (Optional) Vehicle Charger (Optional)
Barcode Scanner			

DIMENSIONS UNIT:MM



1. Removable Smart Card Reader+ SSD Slot
2. COM
3. USB Type-A
4. DC Jack
5. LAN
6. USB Type-A
7. USB Type-A
8. USB Type-C
9. HDMI
10. Audio
11. Nano SIM Card Slot
12. Micro SD Card Slot
13. Antenna Passthrough
14. Docking connector
15. Function Button

NOTE

/ Disclaimer /

1. Accessories and Integrated Options may vary depending on your configuration.
2. Total usable memory and storage will be less dependent upon actual system configuration.
3. The actual transfer speed will vary depending on many factors including the processing speed of the host device, file attributes, and other factors related to the system configuration and your operating environment.
4. The USB Type¬C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT) or USB Power Delivery (USB¬PD).
5. The battery life is measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
6. The 2D drawing is simplified drawing and some components are not marked in detail.
7. Length measurements do not include protrusions. Weight varies with options.
8. TPM 2.0 available upon request.
9. SOTI is available upon request.
10. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.