



# Z14I Laptop

## Rugged Portable RAID Server

The Z14I Rugged Portable RAID Server is designed to house up to staggering seven storage drives. Equipped with a high-quality storage expansion chassis, four SATA III SSDs can be installed in the easy-removable SSD chassis that can run in multiple RAID configurations (RAID 0, 1, 5, 10) thanks of its hardware RAID controller for enterprise-class server applications.

- **Portable, High Capacity up to 7 Storage Drives**
- **Configurable for various RAID Levels 0, 1, 5, 10**
- **Certified IP65 Ingress-protection**
- **Rugged & Compact Design for Easy Deployment**
- **Easy-removable SSD Chassis with LED Indicators**



# Z14I

## Specifications

### DURABILITY

- MIL-STD 810H certified (Rain, Dust)
- IP 65 certified
- Aluminum-magnesium alloy chassis
- Port covers
- Removable quick-release battery and storage drive
- Sunlight readable display
- Optional swappable battery technology

### OPERATING SYSTEM

Windows® 10 Pro 64-bit

### PROCESSORS

Intel® Core™ i7-1165G7 (11th Gen)  
2.8GHz processor with Turbo Boost Technology  
up to 4.7GHz, 12MB cache

### GRAPHICS

Intel® Iris® Xe Graphics

### MEMORY

2 slots 32GB up to 64GB (3200MHz DDR4)

### STORAGE

Main: 512GB/1TB NVME PCIE SSD  
Chassis: up to 4x 1TB/2TB SATA SSD

- Optional 256GB/512GB/1TB SATA SSD
- Optional OPAL 2.0 SSD
- Optional 2nd/3rd storage (SATA SSD)<sup>1</sup>

### DISPLAY

- 14.0" FHD (1920 x 1080)
- 1000 nits DynaVue® sunlight readable display with capacitive multi-touch screen
- User selectable touch mode for Finger/Water, Glove, or Stylus programmable function

### AUDIO

- Integrated microphone
- Intel® High Definition Audio Compliant
- Integrated speaker x 2
- Keyboard volume and mute controls

### CAMERA

- Integrated 2.0 MP web-cam with shutter design
- Optional IR camera for Windows Hello<sup>1</sup>

### KEYBOARD & INPUT

- 2 user-definable keys (P1/P2)
- RF signal slide-switch
- Standard membrane keyboard with LED backlight

### COMMUNICATIONS

- Integrated 10/100/1000 Ethernet
- Intel® Wi-Fi 6 AX201 (802.11 ax)
- Bluetooth® V5.2
- Optional dedicated GPS module (UBLOX-NEO-M8N)
- Optional 4G LTE multi-carrier mobile broadband
- Optional RF antenna pass-through for GPS, WWAN, and WLAN

### SECURITY

- TPM 2.0
- NIST BIOS compliant
- Easy removable SSD
- Smart card reader default
- Stealth mode
- Night vision mode
- Kensington lock
- Optional fingerprint scanner
- Optional HF/LF RFID reader<sup>1</sup>

### I/O INTERFACES

- Thunderbolt 4 (type C) x 1
- USB 3.2 Gen2 (type C) x 1 (support DP)
- USB 3.2 Gen2 (type A) x 1
- USB 3.2 Gen1 (type A) x 1
- USB 2.0 (type A) x 1
- Audio in/out (combo jack) x 1
- microSD card (microSDXC) x 1
- 10/100/1000 Ethernet (RJ45) x 2
- VGA port (D-sub, 15-pin) x 1
- HDMI port (type A) x 1
- Serial port (RS232 : D-sub, 9-pin) x 2<sup>4</sup>
- SIM card x 1
- Smart card reader x 1
- DC-In jack x 1
- ExpressCard 54 x1 (default) or PCMCIA Type II x1
- Optional RF antenna pass-through for GPS, WWAN, and WLAN

### MEDIA BAY (One Option Only)

- Optional DVD super multi
- Optional 2nd battery
- Optional SATA SSD

### EXPANSION BOX

- Storage expansion with RAID 0/1/5/10<sup>1</sup>
- Optional military-grade connector<sup>1</sup>

### POWER

- AC adapter : 100-240V, 50Hz-60Hz, 120W
- Main battery Li-Ion, 10.8V, 7800mAh<sup>2</sup>
- Optional 2nd battery Li-Ion 10.8V, 4700mAh<sup>2</sup>

### ENVIRONMENT

- Temperature  
Operating : - 20°C ~ 60°C / - 4°F ~ 140°F  
Storage : -51°C ~ 71°C / -60°F ~ 160°F
- Humidity : 5% ~ 95%

### DIMENSION & WEIGHT

- 356 mm (L) x 280 mm (W) x 50 mm (H)<sup>3</sup>
- 3.6 kg<sup>3</sup>
- 356 mm (L) x 280 mm (W) x 98 mm (H)<sup>3,5</sup>
- 5.5 kg<sup>3,5</sup>

### WARRANTY

3-year limited warranty standard

1. Contact your sales representative for feature availability
2. Tested using the MobileMark 2014 battery life benchmark. Results may vary under different situations including hardware configuration, software, operating conditions, power management settings and other factors.
3. Weight and dimension vary from configurations and optional accessories.
4. One serial port supports RS422/RS485.
5. Dimension measured with storage expansion chassis.