



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)¹

DISPLAY

- 14.0" FHD (1920 x1080)
- 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 Hello¹

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 reader¹

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 2⁴
- 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 0/1/5/10¹
- Optional military-grade connector¹

POWER

- AC adapter : 100-240V, 50Hz-60Hz, 120W
- Main battery Li-Ion, 10.8V, 7800mAh²
- Optional 2nd battery Li-Ion 10.8V, 4700mAh²

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

- 14.02" (L) x 11.02" (W) x 1.97" (H)³
- 7.93 lbs³
- 14.02" (L) x 11.02" (W) x 3.86" (H)^{3,5}
- 12.13 lbs^{3,5}

WARRANTY

3-year Accidental Damage Warranty

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.

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