

Powered by Intel® 8<sup>th</sup> Generation Whiskey Lake Quad Core i7-8665UE CPU )



### Features:

- Intel® Whiskey Lake® 8<sup>th</sup> Generation Core i7 CPU
- MIL-STD-810G Environmental compliance
- MIL-STD-461F EMC compliance
- Full IP65 water&dust proof, anti-corrosion housing
- 7 x Intel 10/100/1000 GbE LAN
- Intel® UHD Graphics, Support DirectX 12 & OpenGL 4.5
- 2 x RS232/ RS422 /485 ports
- 9~36VDC input, with transient protection: MIL-STD-704A/E/F, MIL-STD-1275A/B/D

**MIL-STD  
461F**

**MIL-STD  
810G**  
**PROTECTED  
IP65**

### Specification

#### System:

• CPU	: Intel® Whiskey Lake U-series 8 <sup>th</sup> Generation Core i7-8665UE
• Chipset	: SoC Integrated
• Memory	: DDR4 2400 MHz 32GB
• Storage Capacity	: 8TB SSD Storage (2x 4TB MLC SSD); RAID 0, 1 support
• Ethernet	: 7 x 10/100/1000 Ethernet ports
• BIOS	: AMI UEFI BIOS
• System Indicator	: 1 x Power LED, 1 x LAN LED
• Encryption	: AES256 and TCG OPAL support
• HDMI Output	: 1 x HDMI Output (Support 4096x2160@24Hz)
• DIO	: 8 x LVTTTL I/O lines programmable as inputs or outputs
• OS	: Windows, Linux , FreeNAS
• Power Input	: Wide Range +9~36V DC
• Watchdog	: Programmable 0~255 sec.
• Sensor	: Temperature Sensor for High/Low temperature

#### Dimensions/ Weight :

• Dimensions	: 200 x 90 x 185 mm ( W x H x D )
• Weight	: 2.5 KG for identity

#### Environmental Specification:

• Operating Temperature	: -45 deg. C to 70 deg. C
• Operating Humidity	: 5% to 95% (Non Condensing)
• Storage Temperature	: - 50 deg. C to 80 deg. C
• IP Level	: Full - IP65 (IP67 optional)
• Reliability	: MIL-STD-810G Compliance
• EMI	: MIL-STD-461F Compliance

#### Input / Output D38999

•	2 x USB 2.0; 1x USB 3.1 Gen 1
•	2 x RS232/RS422/485
•	7 x GbE LAN
•	1 x HDMI Port
•	8 x LVTTTL programmable as inputs or output
I/O for Power Input (D38999)	: 1 x DC 9~36V Input Surge protected, reverse polarity
Power Button	: 1 x Power on/off Button

### Illustration

