FES9281

Fanless military compact PC powered by the 9th generation Coffee Lake Core i7-1265UE 4.7GHz CPU with 2 x USB, -20° to 60°C extended working temperature, 9 to 36V DC power input, and a fully IP67 rated chassis that meets MIL-STD 810G testing standards.



- Fully IP67 rated fanless embedded computer
- Intel 9th Gen. i7-1265UE 4.7GHz
- Onboard DDR4 2400MHz, Max. 64GB memory
- 2 x USB 2.0, 1 x DP, 1 x HDMI, 2 x GbE LANs
- 1 x HDMI port and 1 x GPIO port
- Extended working temperature range from -20°C to 60°C
- MIL-STD-810G in temperature, vibration, and shock
- MIL-STD-461F EMC compliance
- 9 to 36V DC power input (D38999 compliant)

Description

IP67 rated fanless waterproof embedded PC integrated with the 9th Gen. Intel i7-1265UE 4.7GHz processor for high performance and reliability. The embedded system features DDR4 memory up to 64GB, 1 x 2.5" SSD drive bay in a hot-swappable array, and various I/O connections such as USB 2.0, RS232/422/485, GbE LAN, and HDMI. Option is available for an 8-bit GPIO or 2 x 2 Dual Band WiFi.

Technical Specifications

SPECIFICATION	VALUE
Material	Heavy-duty full IP67 rugged enclosure Water & dust proof, anti-corrosion housing
Embedded Board	CPU: 9th Generation Intel Core i7-1265UE 4.7GHz Memory: DDR4 2400MHz, Max. 64GBChipset: Drive Bay: 1 x 2.5" SSD in hot swappable array
Ethernet	Intel i210 Ethernet Controller Intel i219 Ethernet Connection
Front Panel Control	1 x Power LED, 1 x HDD LED 1 x Power on/off toggle switch
GPIO (Option)	8-bit GPIO

Specifications subject to change without notice.

WLAN (Option)	M.2 IEEE 802.11 ac 2 x 2 Dual Band
I/O Port (Standard)	2 x USB 2.0, 2 x GbE LAN, 1 x HDMI port, 1 x DP, 1 x DC power on/off
Power Supply	9~36VDC input (MIL-STD Compliant)
Weight	11.02 lb / 5 kg
Dimension	10.43"(W) x 7.80"(D) x 3.66"(H)
Environmental	Operating Temperature: -20°C to 60°C (-4°F to 140°F) Storage Temperature: -40°C to 80°C (-40°F to 176°F) Relative Humidity: 5~95%, non-condensing Altitude: 16,000 ft – Operating / 40,000 ft – Non-operating Reliability: MIL-STD-810G / MIL-STD-461F EMC compliance
IP Grade	Full-IP67

Available Configurations

CPU

- Core i7-1265UE 4.7GHz

Memory

- 16GB
- 32GB
- 8GB

Storage

- 250GB
- 500GB
- 1TB
- 120GB

I/O ports

- 2 x USB, 2 LANs, 1 x HDMI, 1 x DP

Power supply

- 9 to 36VDC power input

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