

FES9281-CU02

Fanless military-grade compact PC with the 9th Gen. Core i7-9700TE CPU, DDR4 memory, NVIDIA RTX 3000 graphics card, 1 x HDMI output, and an IP67 rated chassis.

- ▶ Fully IP67 rated fanless embedded microbox
- ▶ Intel 9th Gen. Core i7-9700TE 3.8GHz CPU, Up to 3.8GHz
- ▶ NVIDIA RTX 3000 with 6GB DDR6 memory
- ▶ 2 x USB 2.0, 1 x RS-232/422/485, 1 x GbE LAN, 1 x HDMI output
- ▶ 2 x USB 3.0 Type A + 2 x 10G LAN via D38999 connectors
- ▶ Option for 1 x GPS with MTK support
- ▶ MIL-STD-810G & MIL-STD-461F EMC compliance
- ▶ Extended working temperature range from -10°C to 40°C
- ▶ 9 to 36V DC power input



Description

Rugged fanless embedded PC features the NVIDIA RTX 3000 graphic card for accelerated edge computing and maximized performance. The embedded system supports the Intel 9th Gen. Core i7-9700TE CPU with Q370 Chipsets, 1 x 2.5" removable SSD, 2 x USB 3.0 ports, 1 x 10 GbE LAN, and 1 x VGA port. Designed for harsh environments, FES9281-CU02 is able to withstand extreme temperature ranges (-10°C to 40°C without fan) and has a fully IP67 rated water and dust proof enclosure.

Technical Specifications

SPECIFICATION	VALUE
Material	Full IP67 rated rugged enclosure
Embedded Board	CPU: 9th Gen. Core i7 9700TE, Up to 3.8GHz Chipset: Intel Mobile Q370 Chipsets Memory: DDR4 2600/2666 MHz, Max. 64GB Storage: 1 x mSATA 512GB SSD & 1 x 2.5" SDD in hot swappable array Ethernet: 2 x 10 GbE LAN BIOS: AMI EFI 256Mbit Flash Graphic: NVIDIA RTX 3000 with 6GB DDR6 memory Watchdog: Programmable 1~255 sec.
Front Panel Control	LED indicator for power and HDD activity Rugged toggle ON/OFF switch with cover

Specifications subject to change without notice.

GPS Module (Option)	1 x GPS with MTK support
I/O Interface (D38999)	2 x USB 2.0 1 x RS232/422/485 1 x GbE LAN 1 x HDMI output 2 x MIL. D38999 USB 3.0 (Type A) 2 x MIL. D38999 10G LAN (RJ45) 1 x DC 9~36V input
Power Supply	Power Input: 9 to 36V DC input Power Consumption: Max. up to 180 Watt
Weight	7.5 ~ 8 kg / 16.5 ~ 17.6 lb (estimate)
Dimension	11.81"(W) x 5.51"(D) x 10.24"(H)
Environmental	Operating Temperature: -10°C to 40°C without fan Option for wide range working temperature of -10°C to 50°C with fan Storage Temperature: -30°C to 70°C Relative Humidity: 5~95%, non-condensing Reliability: MIL-STD-810G compliance EMI: MIL-STD-461F compliance
IP Grade	Full-IP67

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