

# feS630-528-FL

NEW

Fanless Embedded System with 8th Gen Intel® Core™ i7/i5/i3 & Celeron® ULT Processor, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB, Dual PCI Express Mini Card Slots and 9 to 36 VDC

## Features

- 8th gen Intel® Core™ i7/i5/i3 & Celeron® ULT processor (Whiskey Lake-U)
- Dual-channel DDR4 2400 SO-DIMM for up to 64GB of memory
- Supports 2 HDMI, VGA, 3 GbE LAN, 4 COM and 6 USB
- Trusted platform module (TPM 2.0 onboard)
- Fanless -40°C to +70°C\* operating temperature
- 9 to 36 VDC wide range DC power input
- AMS.AXView intelligent remote monitoring software for IIoT

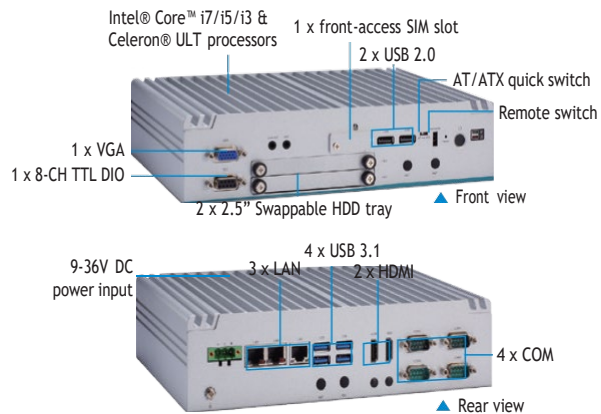
\* -40°C to +70°C operating temp. at 0.7 m/s air flow



## Specifications

|                       |   |
|-----------------------|---|
| Standard Color        | Silver  |
| Construction          | Aluminum extrusion and heavy-duty steel, IP40   |
| CPU                   | Intel® Core™ i7-8665UE/i5-8365UE/i3-8145UE & Celeron® 4305UE (TDP up to 15W)  |
| System Memory         | 2 x 260-pin DDR4-2400 SO-DIMM, up to 64GB   |
| Chipset               | SoC integrated  |
| BIOS                  | AMI   |
| System I/O Outlet     | 2 x RS-232/422/485 (COM1/2)<br>2 x RS-232 (COM3/4)<br>2 x HDMI (lockable)<br>1 x VGA<br>3 x 10/100/100 Mbps Ethernet (1 x Intel® i219LM, 2 x Intel® i211AT)<br>2 x USB 3.1 Gen2<br>2 x USB 3.1 Gen1<br>2 x USB 2.0<br>8-CH TTL DIO via DB9 female<br>1 x Phoenix type VDC power input connector<br>1 x Audio (Mic-in/Line-out)<br>1 x ATX power switch<br>1 x AT/ATX quick switch<br>1 x Remote power switch<br>1 x Reset switch<br>1 x Front-access SIM slot<br>4 x SMA-type antenna opening |
| Watchdog Timer        | 255 levels, 1 to 255 sec.   |
| Storage               | 2 x 2.5" swappable HDD drive bay (max. up 9.5 mm height)<br>1 x mSATA (enabled in BIOS setting)   |
| Expansion Interface   | 2 x Full-size PCI Express Mini Card Slot A (USB + PCIe signal)<br>Slot B (USB + PCIe + SATA signal)   |
| TPM                   | TPM 2.0   |
| System Indicator      | 1 x Green LED for system power-on<br>1 x Orange LED for HDD/SSD active  |
| Power Input           | 9 to 36 VDC   |
| Operating Temperature | -40°C to +70°C (-40°F to +158°F) with 0.7 m/s air flow<br>-40°C to +65°C (-40°F to +149°F) with 0.5 m/s air flow (with W.T. DRAM & SSD, CPU TDP 15W)  |
| Humidity              | 10% - 95%, non-condensing   |
| Shock Vibration       | IEC 60068-2-27 (with SSD: 50G, half sine, 11 ms duration)   |
| Vibration Endurance   | IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, 1 hr/axis)  |
| Dimensions            | 250 mm (9.84") (W) x 170 mm (6.69") (D) x 60 mm (2.36") (H)   |
| Weight (net/gross)    | 1.38 kg (3.04 lb)/2.08 kg (4.59 lb)   |
| Certifications        | CE, FCC Class A   |
| EOS Support           | Win 10 IoT, Linux   |
| Software Support      | AMS.AXView  |

\* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.



## Packing List

- 2 x DRAM Thermal Pad
- 1 x DRAM Bracket
- 1 x Remote Switch Cable
- 1 x 3-pin phoenix connector
- 4 x Foot Pad
- 1 x Screw Pack

## Power Protection

- DC Version**
- OVP (over voltage protection)
  - UVP (under voltage protection)
  - SCP (short current protection)

## Ordering Information

| Standard             |   |
|----------------------|---|
| feS630-528-FL-8665UE | Fanless embedded system with Intel® Core™ i7-8665UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB and 9 to 36 VDC      |
| feS630-528-FL-8365UE | Fanless embedded system with Intel® Core™ i5-8365UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB and 9 to 36 VDC      |
| feS630-528-FL-8145UE | Fanless embedded system with Intel® Core™ i3-8145UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB and 9 to 36 VDC      |
| feS630-528-FL-4305UE | Fanless embedded system with Intel® Core™ Celeron 4305UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB and 9 to 36 VDC |

| Optional      |                        |
|---------------|------------------------|
| 2.5" SATA HDD | 256GB or above         |
| 2.5" SATA SSD | 100GB or above         |
| DDR4 SO-DIMM  | 4GB to 32GB            |
| mSATA         | 64GB or above          |
| 881606302A0E  | Wall mount kit         |
| 881606303A0E  | DIN-rail kit           |
| 50906D24000E  | 24V 120W power adapter |
|               | Power cord             |
|               | 3G/LTE module          |

\* Specifications and certifications may vary based on different requirements.

## Dimensions

