

## Compulab launches fitlet3, a next-generation Atom mini-PC for IoT and industrial applications

February 8, 2022, Yoqneam, Israel – Compulab launches fitlet3 - its latest Atom-based miniature fanless PC, featuring Intel's newest Atom processor family, Elkhart Lake. fitlet3 is available for immediate order, with first shipments in Feb. 2022. fitlet3 was designed to be highly versatile with multiple functions, all in a tiny form factor.

### Remarkable improvement of performance, multiple features without compromises

fitlet3 outperforms former Atom-based platforms in almost every aspect: CPU performance is up to x1.7 better, graphics performance is up to x2 better, and storage performance is up to x7 better.

The custom-made fitlet3 motherboard was designed to fully utilize the capabilities of Intel's most advanced Atom platform, allowing up to 32GB, 3200MT/s DDR4 memory, and a comprehensive set of communication and industrial interfaces.

Additional interfaces are optional using one of the 3<sup>rd</sup> generation FACET extension cards:

- FC3-LAN: Two more 1Gb Ethernet ports to a total of four ports on RJ45 connectors
- FC3-OPLN: 1GbE over SFP+ for optical LAN
- FC3-POED: a single 1Gb PoE Ethernet port that can power the fitlet3

### Wide range of features for demanding use-cases

fitlet3 is aimed at industrial automation, AI edge computing, and IoT applications. Therefore, it was designed with a full range of capabilities and features to bring outstanding value in any scenario.

The following properties make the fitlet3 ideal as an industrial control system, an AI Edge computer, or an IoT gateway:

- Small, Fanless, rugged housing
- Industrial temperature range availability: -40°C to 85°C
- Wide voltage input range of 7V to 42V
- Extensive wired and wireless connectivity
- Isolated COM ports and GPIOs
- Secure boot and TPM 2.0
- 5 years warranty and 15 years of availability

### Specifications

Processor: Intel Atom x6425E / Intel Celeron J6412 / Intel Atom x6211E

Memory: Up to 32GB DDR4 SO-DIMM, speed up to 3200MT/s

Storage: Up to 2 devices: M.2 NVMe, M.2 SATA, optional 2.5" disk

Display: HDMI 1.4b, mini Display Port 1.2

Ethernet: 2 Gigabit Ethernet ports, optional FACETs with 2x 1GbE, 1x PoE, or 1x SFP+ ports

Wireless connectivity: Wi-Fi 6E + Bluetooth 5.2, LTE / 5G modem

USB: 2 USB 3.1, 4 USB 2.0

Serial / GPIO: Optional Isolated RS-232 / RS-485 + 4 GPIOs

Audio: Display audio, optional analog in/out

Power: 7V – 42V, 5A

TPM: Internal TPM 2.0, optional discreet TPM 2.0

Operation system support: Win 10 IoT enterprise LTSC 2021, Win 11 Pro, Linux Mint,

Ubuntu Operating Temperature: commercial (0°C to 45°C) up to industrial (-40°C to 85°C)

Size, weight: 132.8 mm X 100 mm X 34.8 mm, ~ 420 gr.

Mounting: VESA, DIN Rail

### More information

<https://fit-iot.ch/index.php/en/fitlet3>

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