Fitlet3

Fanless Atom mini-PC for industrial and IoT applications

- IoT gateway / Fanless industrial PC
- Intel® Elkhart Lake x6000E Atom processor
- MIL-STD-810G
- 2 × or 4 × 1 or 2.5 Gigabit LAN
- Optional Wi-Fi/BT + LTE/5G modem
- Optional AI accelerator
- Optional Isolated serial + GPIO ports
- 9V – 42V DC power input

Category	Specification	Details
CPU	Intel Atom x6425E	4 cores · 2.0 / 3.0 GHz · 12 W
	Intel Celeron J6413	4 cores · 1.8 / 3.0 GHz · 10 W
	Intel Atom x6211E	2 cores · 1.3 / 3.0 GHz · 6 W
Memory	DDR4 SO-DIMM	Up to 32 GB · Up to 3200 MT/s
Storage	M.2 Key-M	PCIe x4 / SATA · NVMe or M.2 SATA · up to 2280
	M.2 Key-B	SATA up to 2260 · shared with LTE/5G modem
	2.5" SATA	Optional via M.2-to-SATA expansion (EB-M2SATA)
AI Accelerator	Hailo-8 options	M.2 Key-M PCIe x4 (26 TOPS) · M.2 Key-A+E PCIe x1 (26 TOPS)
Display	HDMI 1.4b	3840×2160 @ 30 Hz
	mini-DP 1.2	4096×2160 @ 60 Hz · Dual-mode
Ethernet	On-board	2 × 1 GbE (RJ45)
	Optional modules	FC3-LAN2G5: 2 × 2.5 GbE · FC3-LAN: 2 × 1 GbE · FC3-OPLN: 1 × SFP+ · FC3-POED: 1 × GbE + PoE
Wireless & Cellular	On-board	Optional Wi-Fi 6E + BT 5.2
	M.2 Key-E	Wi-Fi 6E / BT 5.2 module or AI accelerator
	M.2 Key-B	LTE/5G modem + micro-SIM tray (mutual with M.2 SATA)
USB	USB 2.0	4 × USB 2.0 Type-A
	USB 3.1	2 × USB 3.1 Type-A
Serial / GPIO	Optional	Isolated RS-232/422/485 + 2× GPI + 2× GPO (terminal block)
Audio	Optional	I2S codec · Analog in/out on 3.5 mm jacks
Power	Input	9–42 V DC · up to 3.33 A
	Connector	5.5 mm locking power jack
	Optional	FC3-POE: PoE input + GbE
TPM	Security	Intel PTT (TPM 2.0) · Optional discrete TPM 2.0
OS Support	Windows	Windows 10 IoT LTSC 2021 · Windows 10 Pro · Windows 11 Pro
	Linux	Linux Mint · Ubuntu

Operating Environment	Temperature	0–45°C (commercial) • –20–70°C (extended) • –40–85°C (industrial)
	Humidity	5–95% non-condensing
Physical	Cooling	Fanless passive
	Dimensions	132.8 × 100 × 34.8 mm
	Weight	~420 g
	Mounting	VESA • DIN rail (side or bottom)
Front Panel I/O	Ports	2 × USB 2.0 • HDMI 1.4b • mini-DP 1.2 • Power jack • Optional terminal block • 2 × RJ45
Rear Panel I/O	Ports	Power button • 2 × USB 3.1 • Optional 3.5 mm audio • Micro-SIM tray • Debug LED • 2 × USB 2.0
Side Panels	Antennas	Optional 2 × SMA (Wi-Fi/BT or cellular) on each side
	FACET	Optional FACET connectors (Ethernet, serial, etc.)
Internal Slots	SO-DIMM	DDR4 module
	M.2 Key-M	NVMe/SATA storage • AI module • or 2.5" SATA expansion
	M.2 Key-B	LTE/5G modem • SATA storage • or 2.5" SATA expansion
	M.2 Key-E	Wi-Fi/BT module or FACET card
FACET Modules	Expansion options	FC3-LAN2G5 • FC3-LAN • FC3-POED • FC3-OPLN • FC3-SC-S2 • FC3-SC-C2 • FC3-SC-S1C1 • EB-M2SATA
Accessories	Optional	PSU • VESA bracket • DIN rail kits • Remote power button