

Intel Atom Flexio Fanless Industrial Embedded Computer – 4-Port USB 2.0 Hub- Sealevel



Flexio F1 – Intel® Atom™ x6413E (Elkhart Lake) - 4-Port USB 2.0 Hub

Description

The Flexio Fanless Industrial Embedded Computer: Flexible, Limitless, Embedded, Xpandable I/O – and a whole lot more. The Flexio Computer, powered by an Intel industrial processor, features an RS-232/422/485 serial port, an RS-232 serial port, USB 3.1 ports, Gigabit Ethernet ports, DP++ port, and VGA port as a base system with flexible, configurable I/O options to fulfill specific application requirements. With a fanless design, the Flexio has a 0° to 60°C operating temperature range.

Built for Control & Automation with Intel Processors

Fueled by a Quad-Core Intel Atom x6413E, the Flexio Fanless Industrial Embedded Computer is intentionally designed to provide power, connectivity, and performance. This combination makes the Flexio an ideal controller for industrial automation, control, point-of-sale, test and measurement, medical, and security applications. With the latest industrial processors from Intel, the Flexio is ready for deployment with support for Windows 11, Windows 10 IoT 2021 LTSC, and Ubuntu Linux.

Fanless Design & Unmatched Reliability

With support for DIN rail or VESA mounting, the Flexio Fanless Industrial Embedded Computer is designed for easy installation in existing frameworks and for new system integrations as well. The Flexio features a solid-state design for an extended lifespan, increased reliability, and quiet fanless operation. With a rugged enclosure with carefully designed tolerances through analytics and statistical performance modeling, the Flexio has fully optimized thermal properties, allowing 0° to 60°C operating temperature range.

Flexible I/O Configurability

With flexible connectivity designed by the leader in I/O engineering, the Flexio Fanless Industrial Embedded Computer combines industrial processing with application-specific I/O to meet requirements. Standard I/O includes (1) RS-232/422/485 serial port, (1) RS-232 serial port, (2) USB 3.1 Gen 2 ports, (2) GbE ports, (1) DP++ port, and (1) VGA port. Flexio computers offer I/O configurations for a variety of USB to serial, USB to digital, and USB to analog-based control systems.

For additional I/O, check out our other Flexio Computers:

- Intel Atom Flexio Fanless Industrial Embedded Computer – USB to 2-Port RS-232, RS-422, RS-485
- Intel Atom Flexio Fanless Industrial Embedded Computer – USB to 4 Optically Isolated Inputs/4 Form C Relay Outputs
- Intel Atom Flexio Fanless Industrial Embedded Computer – USB to 8 A/D, 2 Optically Isolated Inputs, and 2 Solid-State Relay Outputs
- Intel Atom Flexio Fanless Industrial Embedded Computer – Base I/O

For more computing power, check out our Intel Core i3 powered Flexio Computers

- Intel Core Flexio Fanless Industrial Embedded Computer – Base I/O
- Intel Core Flexio Fanless Industrial Embedded Computer – USB to 2-Port RS-232, RS-422, RS-485
- Intel Core Flexio Fanless Industrial Embedded Computer – USB to 4 Optically Isolated Inputs/4 Form C Relay Outputs
- Intel Core Flexio Fanless Industrial Embedded Computer – USB to 8 A/D, 2 Optically Isolated Inputs, and 2 Solid-State Relay Outputs
- Intel Core Flexio Fanless Industrial Embedded Computer – 4-Port USB 2.0 Hub

Need even more I/O? Flexio Fanless Industrial Rugged Computers are fully compatible with the leading Seal/O data acquisition devices for limitless I/O configuration. And for even more rugged performance in environments subject to extreme temperatures or intense shock and vibration, check out the Relio R1 Rugged.

Category: Industrial Computers Tag: Embedded Computing

Additional information

Family	Flexio
CPU Type	Intel Atom
CPU	Intel Atom x6413E (Elkhart Lake)
Max RAM	16GB DDR4-3200 SODIMM
BIOS	AMI SPI 256Mbit
Serial Ports	(1) RS-232/422/485, (1) RS-232
USB 2.0 Ports	(4) Downstream USB Ports: (1 CDP and 3 SDP)
USB 3.0 Ports	(2) USB 3.1 Gen 2 ports
Networking	Dual Gigabit Ethernet
Display Support	(1) DP++ and (1) VGA
Max Video	4096×2304 @60Hz (on DP++)
Audio	Mic In/Line Out
Power Requirement	9-36V DC
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Dimensions	10.5" (L) X 5.324" (W) X 3.145" (H)

Powered by Quad-Core Intel Atom x6413E processor.

Base I/O configuration: (1) RS-232/422/485 serial port, (1) RS-232 serial port, (2) USB 3.1 Gen 2 ports, (2) GbE ports, (1) DP++ port, and (1) VGA port.

4-Port USB 2.0 Hub version: (4) Downstream USB Ports: (1 CDP and 3 SDP), (1) CDP Supplies Up to 1.5A to a Connected Device, (3) SDP Supply Up to 500mA to Each Connected Device.

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