kontron
The Power of IoT

KBox A-151-EKL



Compact industrial computing for low-power IoT edge applications.

Reliable. Flexible. Future-Ready Edge Computing.

Performance without the power or footprint penalty.

The KBox A-151-EKL brings dependable industrial computing to space-constrained, power-conscious edge deployments. Intel Atom® x6000 or Celeron® processors, flexible expansion and fanless operation make it a strong fit for connected machines, industrial gateways and distributed control.

LOW-POWER PERFORMANCE
Intel Atom® x6000 or Celeron® processors, up to 32 GB DDR4

CONNECTED BY DESIGN
2 x 2.5GbE with TSN, DisplayPort, USB, serial and optional Wi-Fi 6 or 4G/5G

EXPAND WHEN YOU NEED IT
Front I/O Door plus three M.2 slots for storage, fieldbus and wireless options

BUILT FOR INDUSTRY
Fanless, rugged steel chassis with DIN rail or book mounting and extended-temp option

CPU	MEMORY	NETWORK	THERMAL
Atom® x6000 / Celeron® J6413	Up to 32 GB DDR4	2 x 2.5GbE + TSN	Fanless | -40°C to +60°C option

Get your edge hardware faster

KBox A-151-EKL is part of the Kontron QuickStart program.

- **24-hour** Personalized quotes
- **Next business day** Shipping on products
- **U.S. assembled** Built for faster delivery



Built for the edge. Ready for the real world.

A flexible industrial platform for customers who need dependable computing, connectivity and expansion in a compact, maintenance-free package.

Where it works

1 Industrial gateways
Connect machines, PLCs, sensors and enterprise systems.

2 Machine monitoring
Run local analytics and monitor distributed assets.

3 Process control
Support HMI, supervisory and distributed control.

4 Smart buildings & energy
Connect meters, HVAC and edge sensors.

Connect. Expand. Deploy.

Flexible I/O and connectivity help one compact platform adapt to many edge architectures.

Interfaces

2x DisplayPort | 2x 2.5GbE with TSN | 2x USB 3.2
2x USB 2.0 | 2x RS232/422/485

Expansion

I/O Door supports EtherCAT, Dual CAN, Dual LAN, COM, GPIO/DIO or Audio options

Wireless & storage

Wi-Fi 6 or LTE/5G options plus M.2 storage and expansion



CPU
Intel Atom® x6212RE/ x6425RE/x6214RE/x6416RE or Celeron® J6413

MEMORY
Up to 32 GB DDR4

THERMAL
Fanless | 0°C to +60°C standard | -40°C to +60°C extended

MOUNTING
DIN rail or book mount | 180 x 70 x 123 mm

POWER
24 VDC (9–30 VDC)

SOFTWARE
Windows 10 IoT Enterprise LTSC 2021 | Debian Linux | optional KontronOS + KontronGrid

5G Ready | 24/7 Continuous Operation | Field Bus | Fanless Operation

Ready to move your next edge project forward?

Get a personalized quote in 24 hours and take advantage of next-business-day shipping on eligible QuickStart products.