

ebox EHL J6

Compact fanless power for embedded applications



Specification	Details
Processor	Intel® Elkhart Lake J6412 SoC, Quad-Core 2.0 GHz
CPU Architecture	Intel Elkhart Lake
Memory Support	DDR4-3200 SO-DIMM, up to 32 GB
BIOS	AMI BIOS
Graphics Outputs	HDMI ×2 (up to 4096×2160 @ 60 Hz)
LVDS	Dual-channel LVDS ×1 (up to 1920×1080 @ 60 Hz)
eDP	eDP ×1 (up to 4096×2160 @ 60 Hz, co-lay with LVDS)
Storage	M.2 M-key 2242/2280 PCIe Gen3 ×2 / SATA, NVMe supported
Expansion Slots	M.2 B-key (USB 3.1 / USB 2.0), M.2 E-key (USB2.0 / PCIe Gen3 ×1)
Serial Ports	DB9 COM ×2 (COM1 RS-232/422/485, COM2 RS-232)
Ethernet	Intel® i225-V 2.5GbE ×2 (PXE boot supported)
USB	USB 3.1 Gen2 ×3, USB 2.0 ×3
Audio	Realtek ALC888S, Dual-channel HD Audio
SIM Slot	Micro-SIM (with M.2 B-key 3G/4G module)
Power Input	12–24 V DC
Cooling	Fanless
Auto Power On	Supported
Operating Temperature	0 °C to 60 °C
Dimensions	245 × 126 × 37.2 mm
Weight	800 g
Certifications	CE, UKCA, FCC, VCCI
OS Support	Windows 10 / 11, Windows IoT, Linux