BFBLZ39

Compact Fanless System with Intel® J6412 CPU and Dual 2.5GbE Support

DC Jack 4* USB3.2 2* RJ45 HDMI Power BT

Reset BT 2* RS232/422/485
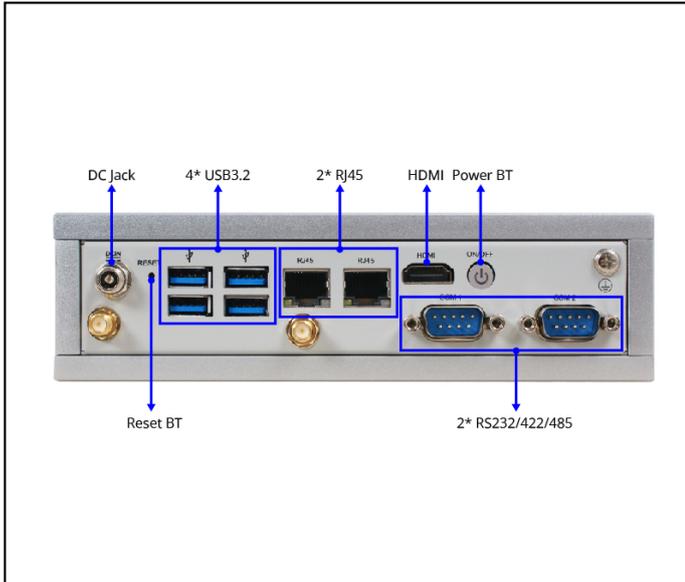
Specifications

SYSTEM

MB FORM FACTOR	Others
CPU	Onboard Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR4 3200MT/s, Single Channel SO-DIMM, up to 32GB
SECURITY	Intel® PTT (Integrated fTPM) & TPM 2.0 (dTPM)
OS SUPPORT	Windows® 11 (64bit), Windows® 10 (64bit), Linux

POWER

POWER REQUIREMENT	DC-in 12V

DISPLAY

HDMI®	1 x HDMI (Max Resolution: 3840 x 2160@60Hz)

LAN

ETHERNET	2 x RJ45 for Intel® I226-V 2.5GbE

SYSTEM I/O

REAR PANEL I/O	4 x USB 3.2 Gen.1 1 x HDMI 2 x RS-232/422/485 2 x RJ45 1 x DC-in Jack (12V/Lock type) 1 x Grounding screw 1 x Reset Button 1 x Power Button 1 x Power LED

EXPANSION

M.2	1 x M-key 2280 (PCIe x2/SATA) 1 x B-key 3042 (PCIe x1/USB2.0 interface) 1 x E-Key 2230 (USB 2.0/PCIe x1)
SIM	1 x Nano SIM Card Slot

MECHANICAL

MOUNTING	Desktop, Wallmount, Din Rail
DIMENSIONS (W x H x D)	180.0 (W) x 89.0 (D) x 50.0 (H) mm

ENVIRONMENT & CERTIFICATION

|	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5~ 500Hz/ Operation
OPERATING TEMPERATURE	-10°C ~ 50°C (14°F ~ 123°F)
STORAGE TEMPERATURE	-20°C ~ 60°C (-4°F ~ 140°F)
CERTIFICATION	CE/FCC Class A
ESG DECLARATION	EU RoHS, China RoHS, ErP, REACH (Option)

Features

- **Powered by Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W)**
- **Features dual Intel® I226-V GbE LAN ports for ultra-fast, stable connection**
- **Versatile Expansion: Includes 1x M.2 M key, plus options for M.2 E key or M.2 B key**
- **Comprehensive Connectivity: 2x COM Ports, 4x USB 3.2, and 1x HDMI Port**
- **Compact Fanless Design: Supports desktop/wall mount and DIN rail for space-saving installation**

Packing List

PART NUMBER	DESCRIPTION	QTY
BFBLZ39-6412-N	BFBLZ39-6412-N	1
Change according to shipping area	Power Cord	1
L01AS052-F	Adapter 12V/5A 60W FSP060-DHAN3 Lock	1

Dimension   Unit: mm
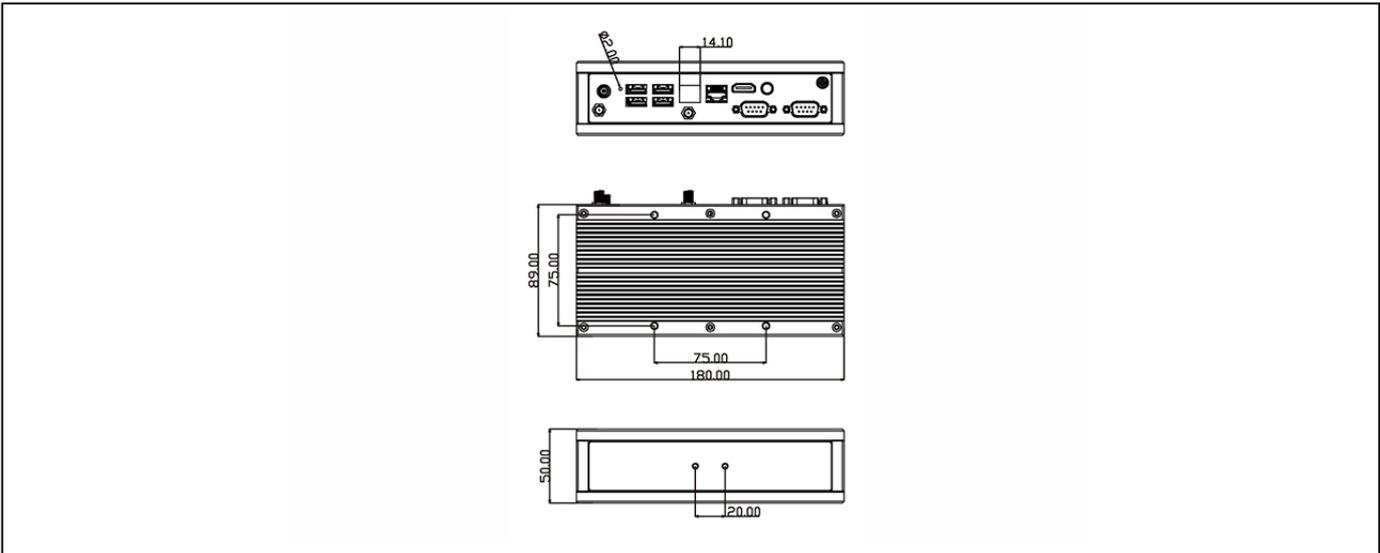
Ordering Information

PART NUMBER	BFBLZ39-64120-N	BFBLZ39-64122-N
CPU	Intel® Celeron® J6412	Intel® Celeron® J6412
SECURITY	Intel® PTT (Integrated TPM)	TPM 2.0 (dTPM)