



MiniBox-132-K01

Fanless Compact Industrial Computers for Machine Vision with Intel 12th Gen i7-1265UE CPU

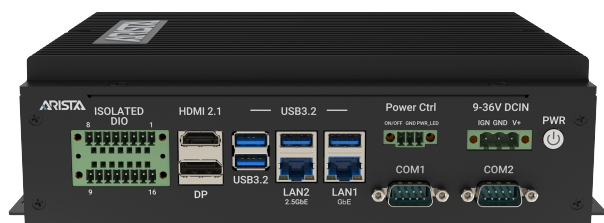
Features

- Intel 12th Gen i7-1265UE CPU
- Up to 64GB DDR4 SO-DIMM Memory
- TPM 2.0
- HDMI 2.1 & DP 1.4
- Dual LAN (1x 1G, 1x 2.5G)
- M.2 NVMe SSD (M.2 2280)
- 4x USB 3.2
- 2x RS-232/422/485
- 4x Isolated DI + 4x Isolated DO
- 9-36V DC Wide Operating Input Voltage
- Ignition Switch Power On/Off

Please refer to ordering information for the specific configurations for your applications.

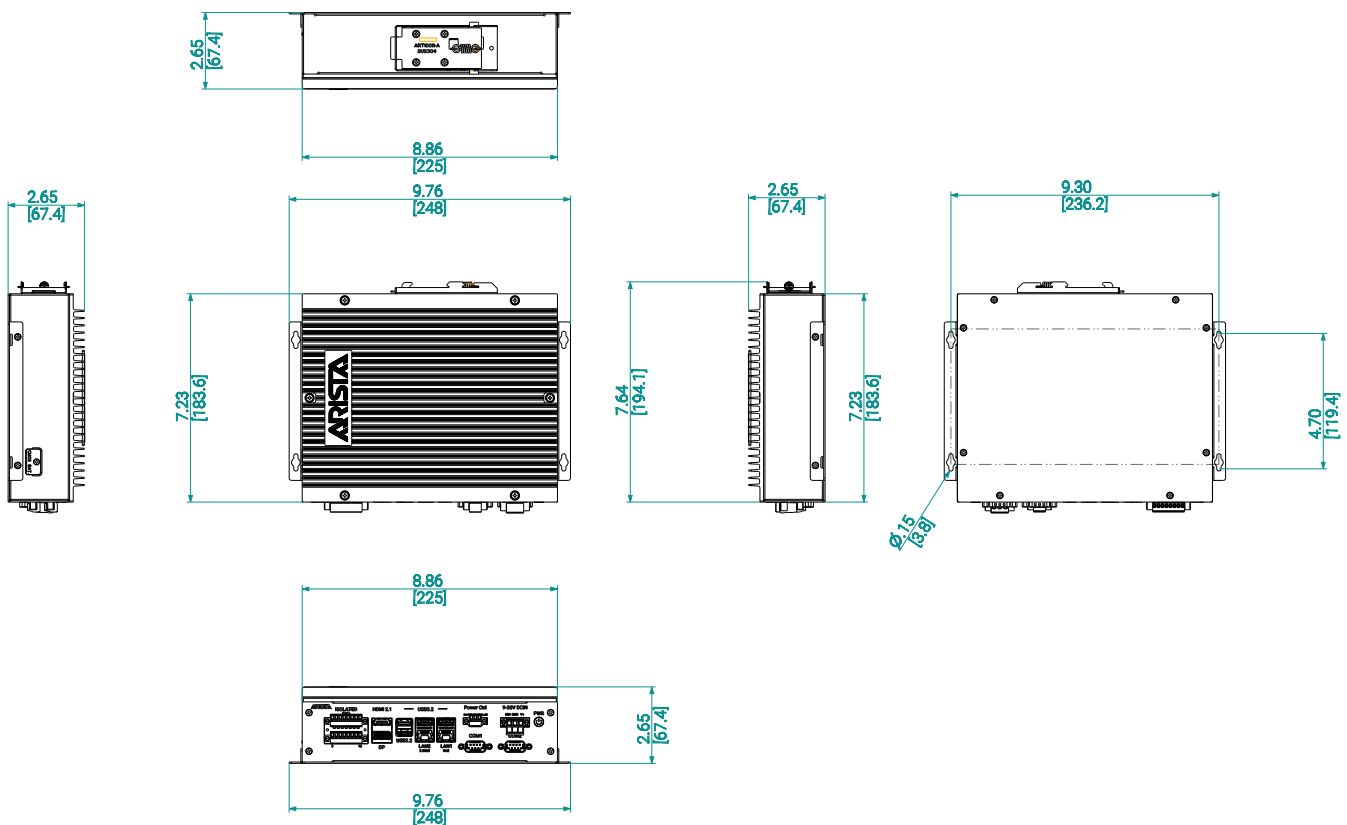
Specifications

Model Name	MiniBox-132-K01
System	
CPU	i7-1265UE (2 P-Core + 8 E-Core)
Chipset	Alder Lake
Memory	Up to 64GB DDR4 SO-DIMM
Video Controller	Intel Iris Xe Graphics
Video Interface	HDMI 2.1 & DP 1.4
Storage Option	M.2 NVMe SSD (M.2 2280)
CFlash	N/A
Keyboard/Mouse	USB
Audio	Internal Pin Header (Mic-In, Line-Out, Line-In)
Watchdog Timer	Yes
Remote Boot	TPM 2.0
Expansion Slot	M.2 3052, M.2 2230
I/O Communication	
USB Port	4x USB 3.2
Serial Port	2x RS-232/422/485
IEEE 1394	N/A
LAN	1 x 1G, 1x 2.5G
Parallel	N/A
GPIO	4x Isolated DI + 4x Isolated DO
Smart Battery	
External Smart Battery	N/A
OS Support	
OS Support	Windows 10, 11
Power / Thermal Specs	
Power Requirement (Minimum)	24V DC@2.5A (Operating Range 9-26V DC)
Power Consumption (Minimum)	60W
Recommended Power Supply	72W
Heat Dissipation	205BTU/Hr
Physical Information	
Mounting	Wall Mount, DIN Rail Mount
New Weight	5.0 Lbs / 2.3 Kg
Dimension (W x H x D)	9.76 x 2.65 x 7.23 inch 248 x 67.4 x 183.6 mm
Environmental	
Operating Temperature	0~50°C (32~122°F)
Storage Temperature	-20~60°C (-4~140°F)
Relative Humidity	0% to 95%
Compliance	
IP/NEMA Rating	N/A
Certification	N/A



Dimension Drawing

MiniBox-132-K01
Size Unit: inch(mm)



Ordering Information

Item	MiniBox-132-K01-020-700	MiniBox-132-K01-030-700
CPU	i7-1265UE	i7-1265UE
Memory	32GB DDR4	64GB DDR4
Storage	M.2 SSD	M.2 SSD
Remote Boot	N/A	N/A
Power Supply	24V DC Input	24V DC Input
Operating System	Optional	Optional

Item	MiniBox-132-K01-020V-700	MiniBox-132-K01-030V-700
CPU	i7-1265UE	i7-1265UE
Memory	32GB DDR4	64GB DDR4
Storage	M.2 SSD	M.2 SSD
Remote Boot	N/A	N/A
Power Supply	9-36V DC Input (Vehicle Version)	9-36V DC Input (Vehicle Version)
Operating System	Optional	Optional