



MiniBox-133-K01

Industrial Computers for Machine Vision
with 4x PoE+ PSE Ports

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)
- 4x PoE+ PSE Gigabit (25W max each port)
- 2x M.2 3042 for Edge Inference Acceleration NPU
- 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

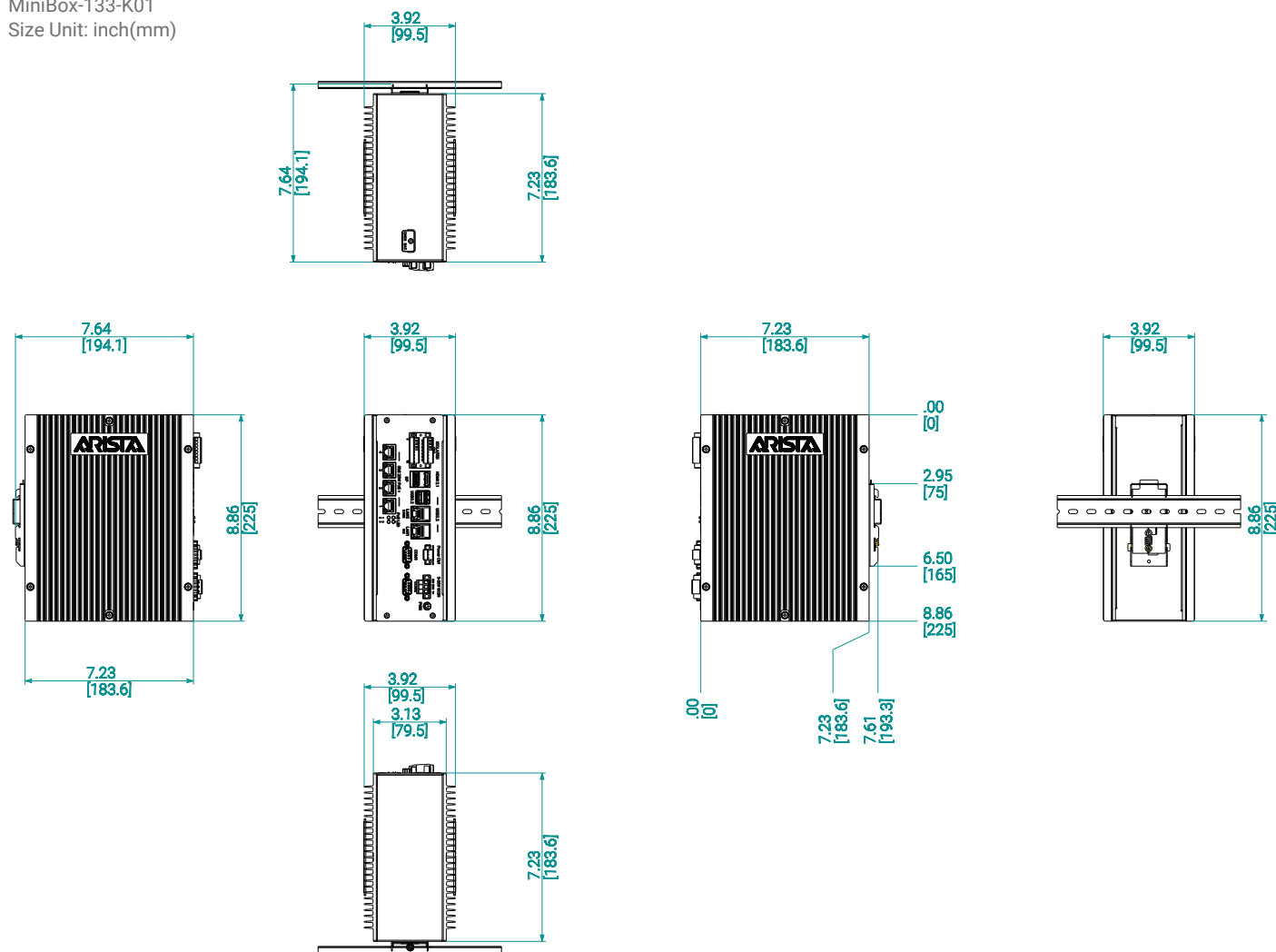
Please refer to ordering information
for the specific configurations for your applications.

Specifications

Model Name	MiniBox-133-K01
System	
CPU	i7-1265UE
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)
CFast	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, 2x M.2 3042
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, 4x PoE+ PSE Gigabit (25W max each port)
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 9-26VDC)
Power Consumption (Minimum)	120W
Recommended Power Supply	150W
Heat Dissipation	410 BTU/Hr
Physical Information	
Mounting	Wall Mount, DIN Rail Mount
New Weight	6.0 Lbs / 2.8 Kg
Dimension (W x H x D)	3.92 x 8.86 x 7.61 inch 99.5 x 225 x 193.3 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-133-K01
Size Unit: inch(mm)



Ordering Information

Item	MiniBox-133-K01-020-700	MiniBox-133-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
PoE+ PSE Ports	4x PoE+ PSE Ports	4x PoE+ PSE Ports
Operating System	Optional	Optional

Item	MiniBox-133-K01-020V-700	MiniBox-133-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)
PoE+ PSE Ports	4x PoE+ PSE Ports	4x PoE+ PSE Ports
Operating System	Optional	Optional