

SF101-PTH



Intel® Core™ Ultra Processor
Fanless Box IPC

KEY FEATURES



Compact Size

Compact Size & Powerful Performance



Increased CPU Performance

Intel® Core™ Ultra Panther Lake H Processor



Create RAID or NVME

Configurable with dual M.2 Gen4 NVME Storage with RAID 0/1



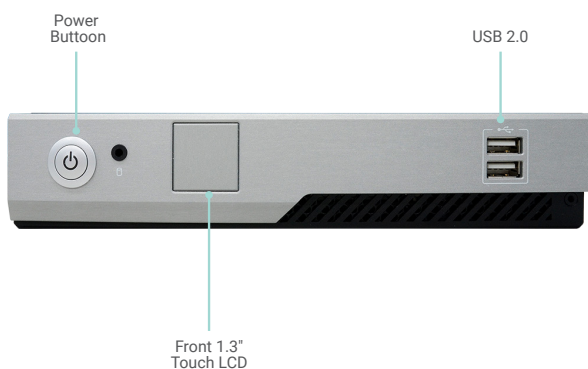
Easy Integration

Supports Wallmount or Rackmount Installation



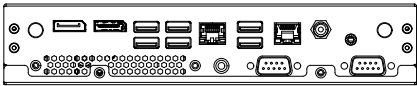
IoT Solutions Alliance

PANEL

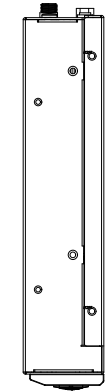


Front View

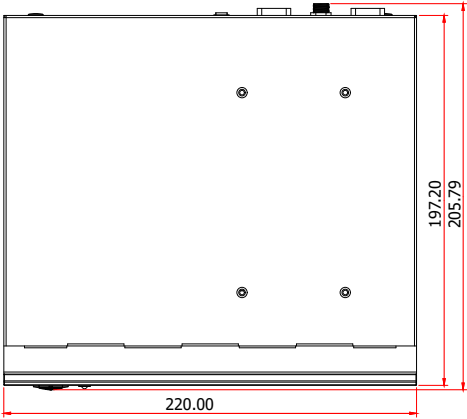
DIMENSIONS



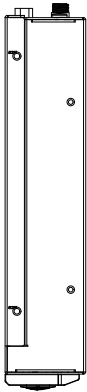
Rear View



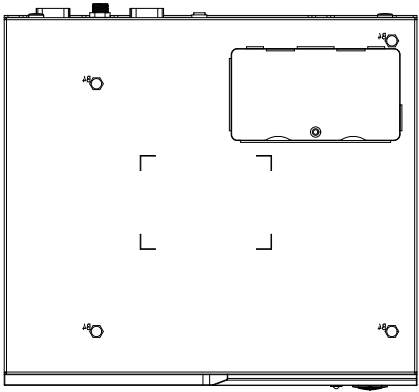
Left View



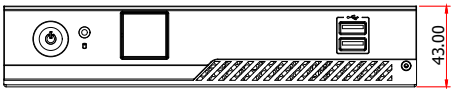
Top View



Right View

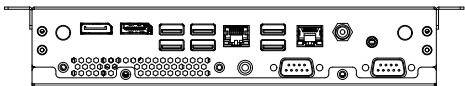


Bottom View

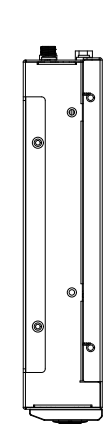


Front View

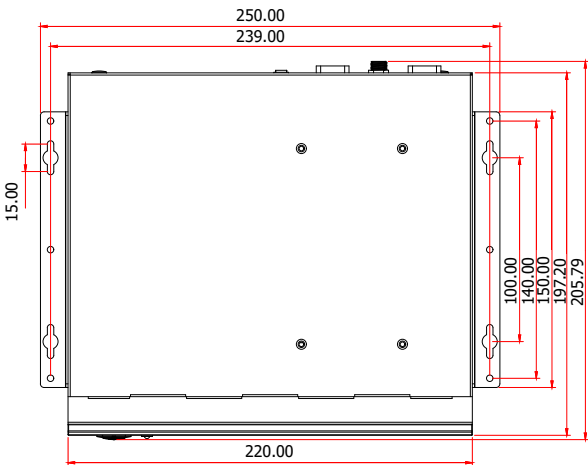
WALL MOUNTING



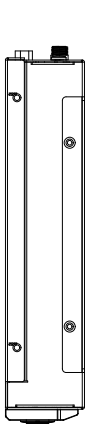
Rear View



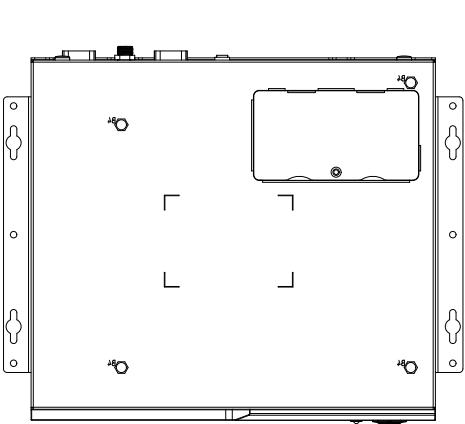
Left View



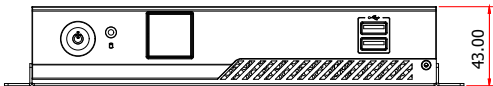
Top View



Right View



Bottom View



Front View

SPECIFICATION

SYSTEM	Processor	Intel Panther Lake H processor, TDP up to 25W Intel® Core™ Ultra 9 388H (H484-12XeCT, vPro) Intel® Core™ Ultra X7 358HR (H484-12XeCT, vPro) Intel® Core™ Ultra 7 366HRE (484-4XeET, vPro) Intel® Core™ Ultra 7 365RE (404-4XeET, vPro) Intel® Core™ Ultra 5 336HRE (444-4XeET, vPro) Intel® Core™ Ultra 5 335RE (404-4XeET, vPro)
	Memory	2x 262-pin SODIMM up to 128GB Dual-channel SODIMM DDR5 up to 6400 MHz (H404)/7200 MHz (H484)
	BIOS	AMI SPI 256Mbit
GRAPHICS	Controller	Intel® Arc Xe3
	Display	1 x HDMI 1 x DP++ HDMI: resolution up to 4096x2160 @60Hz DP: resolution up to 4096x2304 @60Hz USB Type C (DP alt-mode/USB3.2 Gen2/PD 15W): resolution up to 4096x2304 @60Hz (HBR2)
	Quad Displays	HDMI + DP + USB Type C (DP alt-mode/USB3.2 Gen2/ PD 15W)
STORAGE	External / Internal	1 x 2.5" SATA bay 1 x M.2 2242/2280 M Key (PCIe Gen5x4, SATA3 opt. selected by BIOS, support NVMe) RAID 0/1
EXPANSION	Interface	1 x M.2 2242/2280 M Key (PCIe Gen5x4, SATA3 opt. selected by BIOS, support NVMe) 1 x M.2 2242/3042/3052 B Key (PCIe Gen4x1, USB3.2 Gen2, USB2.0, SIM) 1 x M.2 2230 E Key (PCIe Gen4x1 and USB2.0, support Intel® CNVi,WIFI7)
AUDIO	Audio Codec	Realtek ALC888S
ETHERNET	Controller	LAN1/2: i226V/IT (10/100/1000/2.5G speeds) LAN3(vPro): i226LM/IT (10/100/1000/2.5G speeds)
LED	Indicators	1 x Power LED 1 x HDD LED
FRONT I/O	USB	2 x USB 2.0
	Button	1 x Power Button
REAR I/O	Ethernet	3 x 2.5GbE RJ45
	Serial	2 x COM
	USB	4 x USB 3.2 Gen2 Type A 1 x USB 2.0 Type A 1 x USB 3.2 Gen 2 Type C (DP alt-mode/USB3.2 Gen 2/PD 15W)
	Display	1 x HDMI 2.0 1 x DP++
	Audio	1 x line-out
	Grounding	1 x Grounding Post
	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds
SECURITY	TPM	dTPM (default) fTPM (option)
POWER	Type	Wide Range 12~28VDC
	RTC Battery	CR2032 Coin Cell
	Connector	DC Jack
OS SUPPORT	Microsoft	Windows 11 24H2 LTSC 64-bit
	Linux	Ubuntu 24.04
ENVIRONMENT	Temperature	Operating: -5°C ~ 45°C Storage: -40°C ~ 85°C
	Humidity	Operating: 5% ~ 90% RH Storage: 5% ~ 90% RH
MECHANICAL	Construction	Metal chassis + Aluminum front bezel
	Mounting	Wall mount Rackmount
	Dimensions (W x H x D)	220 x 43 x 197.2mm
	Weight	2.55kg
STANDARDS AND CERTIFICATIONS	Shock	Operating: 3G Non-operating: 5G
	Vibration	Operating: Random 5~500Hz 1G Non-operating: Sweep Sine 10~500Hz 1.5G
	Certifications	CE, FCC class A, RoHS, UKCA

OPTIONAL ITEMS

Optional Items	Part Number	Description
Mounting Kit	A31-028Q25-100G	Wallmount Brackets