

SF101-PTH

Intel Panther Lake
Box IPC



KEY FEATURES



Compact Size

Compact Size & Powerful Performance



Increased CPU Performance

Supports Intel Panther Lake Processors



Stable & Reliable System Operation

Choice of 1.3" Touch LCD, OOB,
Power Redundancy Decoupling



Easy Integration

Supports Wallmount or Rackmount Installation



IoT Solutions
Alliance

SPECIFICATION

SYSTEM	Processor	Intel Panther Lake H processor, TDP up to 25W Intel® Core™ Ultra 9 388H (H484-12XeET, vPro) Intel® Core™ Ultra 7 368H (H484-12XeET, vPro) Intel® Core™ Ultra 7 358H (H484-12XeET) Intel® Core™ Ultra 5 338H (H484-12XeET, vPro) Intel® Core™ Ultra 9 386H (H484-4XeET, vPro) Intel® Core™ Ultra 7 366H (H484-4XeET, vPro) Intel® Core™ Ultra 7 356H (484-4XeET) Intel® Core™ Ultra 5 336H (444-4XeET, vPro) Intel® Core™ Ultra 7 365 (404-4XeET, vPro) Intel® Core™ Ultra 7 355 (404-4XeET) Intel® Core™ Ultra 5 335 (404-4XeET, vPro) Intel® Core™ Ultra 5 325 (404-4XeET)
	Memory	2x 262-pin SODIMM up to 128GB Dual-channel SODIMM DDR5 up to 6400 MHz(H404) / 7200 MHz (H484)
	BIOS	AMI SPI 256Mbit
	Controller	Intel® Arc Xe3
GRAPHICS	Display	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)
	External / Internal	1 x M.2 2242/2280 M Key (PCIe Gen4x4, SATA3 opt. selected by BIOS, support NVMe)
STORAGE	Interface	1 x M.2 2230 E Key (PCIe Gen4x1 and USB2.0) 1 x M.2 2280 M Key (PCIe Gen4 x4/SATA3 opt. selected by BIOS) 1 x M.2 2242/3042/3052 B Key (PCIe Gen4 x1/USB 3.2 Gen2/USB 2.0)
AUDIO	Audio Codec	Realtek ALC888S-VD2-GR
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, LAN1~3)
	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
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds
SECURITY	TPM	dTPM2.0
POWER	Type	DC 12~28V
	RTC Battery	CR2032 Coin Cell
	Connector	DC Jack
	Consumption	TBD
OS SUPPORT	Microsoft	Windows 10 IoT
	Linux	Linux
ENVIRONMENT	Temperature	Operating: -5°C ~ 60°C Storage: -40°C ~ 85°C
	Humidity	Operating: 5% ~ 90% RH Storage: 5% ~ 90% RH
	MTBF	TBD
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
	Package Drop	ISTA Project 1A
	Certifications	CE, FCC class A, RoHS, UKCA