

FNU2 & FNU1

DATASHEET

Intel® Arrow Lake / Meteor Lake based Fanless PC



Features:

- Supports Intel® Core™ Ultra Processors (Series 2 / Series 1)
- Dual channel DDR5
- Dual Intel LAN
- TPM2.0, Intel AMT support
- 9-36V Power supply

Applications:

Industrial Control

CPU Options:

- | | |
|-----------------|-----------------------------|
| • Ultra 5 235U | 4.9GHz, 2+8+2 Core, TDP 15W |
| • Ultra 5 225U | 4.8GHz, 2+8+2 Core, TDP 15W |
| • Ultra 5 135UL | 4.4GHz, 2+8+2 Core, TDP 15W |
| • Ultra 3 105UL | 4.2GHz, 2+4+2 Core, TDP 15W |

I/O Interfaces:



Rear Panel



Front Panel

Technical Specifications:

Processor	CPU	Arrow Lake / Meteor Lake Core Ultra (Series 2/Series 1)
	BIOS	AMI EFI 128 Mbit
Memory	Type	2*DDR5 SO-DIMMs
	Max. Capacity	64 GB
Display	GPU	Intel® UHD Graphics (based on CPU)
	DP2.0	Max. 4096 x 2304 @60Hz
	HDMI2.0	Max. 4096 x 2304 @60Hz
	eDP / LVDS	Max. 4096 x 2304 @60Hz
Audio	Controller	Realtek ALC897
	Interface	Audio out + Mic in
Ethernet	Controller	Intel i219LM & Realtek RTL8125, 2.5Gigabit Ethernet, Wake-on-LAN, AMT support
Storage	M.2	1 * M.2 2280 with SATA / PCIe SSD support
	SATA	1 * SATA3.0
Rear Panel	DP2.1	1
	HDMI2.1	1
	USB3.2	4
	LAN	2
	Audio	Audio out + Mic in
	RS232	4
	DC-IN	1
Front Panel	Daughter Board Options	
Internal	RS232/RS485	2
	USB2.0	4
	SATA3.0	1
	GPIO	4-in/4-out
Expansion	PCIe	1 x PCIe 4X
	M.2 #1	1 x M.2 2230 with Wi-Fi /BT module support
	M.2 #2	1 * M.2 2280 with PCIe SSD support (optional SATA)
	M.2 #3	1 * M.2 3042 with 4G/5G support (nano SIM)
OS	Windows 10/11 64Bit, Linux	
Functions	Watchdog, Auto Power On, TPM2.0, AMT	
Power	Power Type	DC-IN (Phoenix)
	Adapter	9-36V
Cooling	Fanless	
Dimension	Construction	Metal
	Mounting	NA
	W x H x D	220 x 145 x 56 mm
Environment	Operating Temp	-20~60°C at 0.7m/s air flow
	Storage Temp	-40~85°C
	Relative Humidity	95%@40°C (non-condensing)

Daughter Board Options:

Options	
1	Power Button + Power Button Extent + 2xLED + 4xUSB2.0 + 4xRS232/RS485
2	Power Button + LED + 6xUSB2.0 + 2xLAN(Realtek 8111H)
3	Power Button + LED + 6xRS232/RS485
4	Power Button + LED + 8xUSB2.0 + LAN(Realtek 8111H)
5	Power Button + LED + 2xUSB2.0 + Mini_PCl_e + DC-IN(Phoenix)
6	2xLED + VGA + 2xRS232/RS485 + 4xUSB2.0 + 2xLAN(Realtek 8111H)