

K7-F17F Industrial MINI PC

Intel Core I7-1185G7



Parameter list

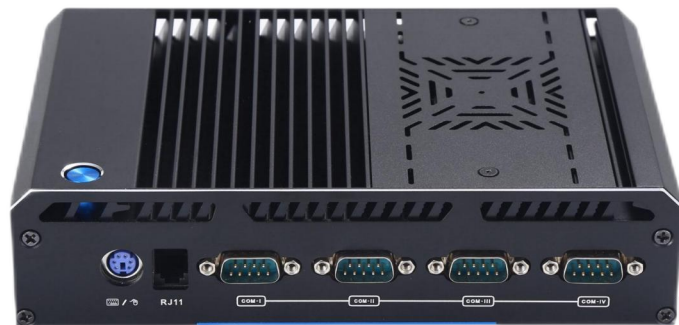
CPU	Intel Core I7-1185G7 2.50 GHz-4.50 GHz
Cores/Threads	4 Cores / 8 Threads
Cache	8 MB Intel® Smart Cache
TDP	28W
Architecture	Tiger Lake
Memory	2*SO-DIMM DDR4 slot, max support 32G
Storage	SSD (M.2 2280 SATA/NVME) Optional HDD
Audio Card	HD Audio realtek ALC 897
Graphics	Intel® Iris® Xe Graphics
Network	1 *Realtek 8111H Gigabit interface & 1* Intel I226-V network cards
Extendable	WIFI+BT Module (M.2 PCIE), support 4G / 5 G module with available sim slot
OS Support	Windows 10、 11 & Linux
I/O Ports	2*USB3.0、 2*USB2.0、 4*COM、 1*HDMI、 1*DP、 1*VGA、 2*Ethernet、 1*RJ11、 1*PS/2、 1*DC、 1*Audio IN & OUT
Built-in socket	1 x M.2 M KEY 2280 slot, supports M.2 NVME/SATA 2280 interface hard disk, it can switches the hard disk compatibility mode through the pin 1 x M.2 E KEY 2230 slot, supports WIFI and Bluetooth modules 1 x M.2 PCIE slot, with SIM card slot, supports 4G/5G module

BIOS Function

Boot Mode	UEFI PXE (by I226-V network card) / Auto-power-on / WDT / Scheduled-power-on	
Intel Virtualization	Support VT-x,VT-d	
Intel Hyper-Threading	Support	
Working Environment	Temperature: -10~60 °C	Relative Humidity: 0~95% (No Condensation)
Working Voltage	DC 12V - 5A	
Static Electricity	Contact discharge 2K, Air discharge 6K	
Storage Environment	Temperature: -10~60 °C	Relative Humidity: 0~95% (No Condensation)

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01	PS/2	02	RJ11	03	COM*4
04	Audio IN/OUT	05	USB2.0*2	06	Ethernet
07	Ethernet	08	USB3.0*2	09	Indicator Light
10	HDMI	11	DP	12	VGA
13	DC 12V	14	Wifi Antenna		

Size	L 197.4mm*W 126.3mm*H 47.5mm	Weight	Net : 1.0kg	Gross:1.8kg
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Specification

Built-in Pin
 1*2PIN PW_IN Phoenix terminal, 1* 12-1PIN TPM2.0 pin
 2*6PIN M.2 hard disk mode switching pin, 2*4PIN switch and indicator light pins
 3*9PIN USB2.0 pin, 1*4PIN CPU_FAN pin, 1*4PIN SPK power amplifier pin
 1*4PIN SATA expansion hard drive 5V power supply interface
 1*JATX-AT pin (set to start automatically after power on)
 1*3PIN JP1 jumper RJ11 voltage pin
 2*5PIN GPIO pin , RS232/485 switching pin

Display Mode
 Supports Triple displays (HDMI+VGA+DP) Copy mode and Extended mode
 HDMI Max Resolution: 4096*2304@60Hz ; DP Max Resolution: 7680*4320@60Hz

I/O Core Piece
 Fintek F81966d-I

Features
 Use aluminum alloy shell, industrial style, heavy and solid, unique appearance design

Heat Dissipation
 Built-in fan cooling

Bracket
 Dedicated bracket; Support VESA bracket

Packing Box
 Kraft paper color box + Anti-fall corrugated outer box

Packing List	Power Adapter * 1	Power Cable * 1	Bracket * 1
	User Manual * 1	QA Card * 1	Screws * 1