

# 1 K7-F17F-1165G7

Intel Core I7-1165G7



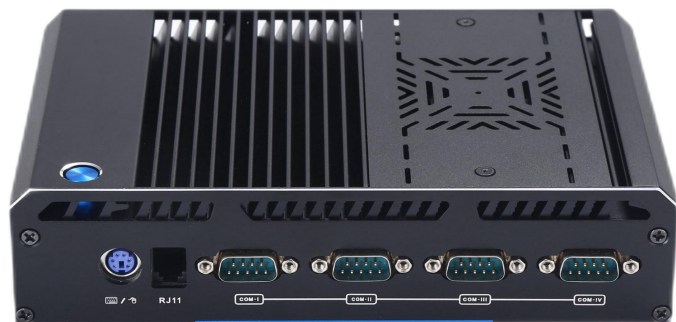
Parameter list

<b>CPU</b>	Intel Core I7-1165G7 2.80 GHz-4.70 GHz	
<b>Cores/Threads</b>	4 Cores / 8 Threads	
<b>Cache</b>	8 MB Intel® Smart Cache	
<b>TDP</b>	28W	
<b>Architecture</b>	Tiger Lake	
<b>Memory</b>	2*DDR4L slot, max support 32G	
<b>Storage</b>	SSD (M.2 2280 SATA)	
	Optional HDD	
<b>Audio Card</b>	HD Audio realtek ALC 897	
<b>Graphics</b>	Intel® Iris® Xe Graphics	
<b>Network</b>	1 *Realtek 8111H Gigabit interface & 2* Intel I216-V network cards	
<b>Extendable</b>	WIFI+BT Module (Mini PCIE), support 4G module with available sim slot	
<b>OS Support</b>	Windows 10、 11 & Linux	
<b>I/O Ports</b>	2*USB3.0、 2*USB2.0、 4*COM、 1*HDMI、 1*DP、 1*VGA、 2*LAN、 1*RJ11、 1*PS2、 1*DC、 1*Audio IN & OUT	
<b>Built-in socket</b>	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 5G module	
<b>Boot Mode</b>	PXE ( by I226-V network card) / Auto-power-on / WDT / Scheduled-power-on	
<b>Intel Virtualization</b>	Support VT-x,VT-d	
<b>Intel Hyper-Threading</b>	Support	
<b>Working Environment</b>	Temperature: -10~60 °C	Relative Humidity: 0~95% (No Condensation)
<b>Working Voltage</b>	DC 12V - 5A	
<b>Static Electricity</b>	Contact discharge 2K, Air discharge 6K	
<b>Storage Environment</b>	Temperature: -10~60 °C	Relative Humidity: 0~95% (No Condensation)

BIOS Function

# 2 K7-F17F-1165G7

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01	PS2	02	RJ11	03	COM*4
04	Audio IN/OUT	05	USB2.0*2	06	LAN
07	LAN	08	USB3.0*2	09	Indicator Light
10	HDMI	11	DP	12	VGA
13	DC 12V	14	Wifi Antenna		

<b>Size</b>	L 197.4mm*W 126.3mm*H 47.5mm	<b>Weight</b>	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 display (HDMI+VGA+DP) Copy mode and Extended mode  
 HDMI Max Resolution: 4096\*2304@60HZ ; DP Max Resolution: 4096\*2304@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