1 K5-F28-12th GEN

CPU	Intel® Core I5-12th Gen
Cores/Threads	8 Cores / 12 Threads
Cache	12 MB Intel® Smart Cache
TDP	28W
Architecture	Alder Lake
Memory	SO-DIMM DDR4 slot x 2, max support 64G
Storage	SSD (M.2 2280 SATA/NVME)
	Support 2.5-inch HDD/SSD expansion
Audio Card	HD Audio realtek ALC 897
Graphics	Intel® UHD Graphics
Network	10/100/1000/2500BASE-T Ethernet (RJ45) x 2, Realtek 8111H x 2
Extendable	M. 2 E KEY 2230 socket x 1, support WIFI+ Bluetooth, support WIFI6 module M. 2 B KEY 3042/3052 slot x 1, support 3G/4G module (with SIM card slot)
OS Support	Windows 10, Windows 11, Linux
I/O Ports	USB3.0 x 4, USB2.0 x 6, HDMI 2.1 x 2, LAN x 2,, DC-IN 12V~24V x 1, DB-9 RS-232 (485) x 4, DB-9 RS-232 x 2
Built-in Socket	2PIN PW Phoenix Terminal x 1, 12-1 pin TPM2.0 pin x 1, 6PIN M. 2 hard disk mode switch PIN x 2, 4PIN switch and indicator lamp pin x 2, 9PIN USB2.0 pin x 3, 4PIN CPU pin x 1, JATX-AT pin x 1, 4PIN SATA extended hard disk 5V power supply interface x 1, 4PIN SPK power amplifier pin x 1, 3PIN JP1 jump RJ11 voltage pin x 1, 8PIN GPIO pin x 2, RS232/485 switch pin x 1, LVDS_CON1,

BIOS Function

Display Mode	Support Dual display (HDMI 2.1 + HDMI 2.1) Copy Mode or Extended Mode, Max Resolution (HDMI 2.1): 4096 x 2160@60HZ;	
Boot Mode	AC Power Recovery, UEFI PXE Boot, Wake-on-LAN, Scheduled Power On/Off	
Intel Virtualization	Support VT-x,VT-d	
Intel Hyper-Threading	Support	
Working Environment	Temperature -10~60	Relative Humidity：0~95% (No Condensation)
Working Voltage	DC 12V~24V	
Static Electricity	Contact discharge 2K, Air discharge 6K	
Storage Environment	Temperature -10~60	Relative Humidity：0~95% (No Condensation)

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