

K5-F24-12th GEN-SFP+



CPU	Intel® Core I5-12th Gen	
Cores/Threads	8 Cores / 12 Threads	
Cache	12 MB Intel® Smart Cache	
TDP	45W	
Architecture	Alder Lake	
Memory	SO-DIMM DDR4 slot x 1, max support 16G	
Storage	SSD (M.2 2280 SATA/NVME)	
	Support HDD expansion	
Audio Card	HD Audio realtek ALC 897	
Graphics	Intel® UHD Graphics	
Network	10/100/1000/2500BASE-T Ethernet (RJ45) x 6, Intel I226V ; 82599ES SFP+ 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 4G/5G module (with SIM card slot)	
OS Support	Windows 10, Windows 11, Ubuntu 24.04, Centos 9	
I/O Ports	USB3.0 x 2, USB2.0 x 3, HDMI 2.1 x 1, DP 1.4 x 1, LAN x 6, SFP+ x 2, USB TYPE-C x 1, DC-IN 12V x 1, ATX Self-Power-On x 1, 3.5mm Audio Combo (Out + In) x 1, RJ45 RS-232 x 1, BIOS Reset Button x 1.	
Built-in Socket	FP_USB1 x 1, FP 8PIN x 1, TPM 14PIN x 1, CPU FAN1 x 1, SPK_CON 4PIN x 1, GPIO 10PIN x 1, ESPI_DEBUG 10PIN x 1, M2B_PWR1 3PIN x 1, JBAT 2PIN x 1, BATCON x 1, SYS_FAN1 4PIN x 1, PW_IN 2PIN Power Terminal x 1.	
Display Mode	Support Dual display(HDMI 2.1 +DP 1.4) Copy Mode or Extended Mode, Max Resolution (HDMI 2.1) : 4096 x 2304@60HZ, Max Resolution (DP 1.4) : 7680 x 4320@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 - 7A	
Static Electricity	Contact discharge 2K, Air discharge 6K	
Storage Environment	Temperature : -10~60	Relative Humidity: 0~95% (No Condensation)

BIOS Function