



## PART NUMBER: IPC-EMBEDDED

- Intel® Xeon® D-1746TER/D-1715TER processor
- 4x DDR4 SO-DIMM sockets support ECC/non-ECC memory up to 128GB
- Versatile expansion: PCI, PCIe4, PCIe16, M.2 B key, M.2 E key
- 850W power supply built-in
- Support up to 4 x 2.5" hard drive bays
- Optional 2 x 10GbE Ethernet ports
- IPMI 2.0-compliant management with reliability and security enhancements

## SPECIFICATION

Model		10-Core	4-Core
Processor	System	Xeon D-1746TER	Xeon D-1715TER
	Frequency	2.0GHz turbo boost up to 3.1 GHz	2.4GHz turbo boost up to 3.5 GHz
	Core Number	10	4
	L3 Cache	15MB	10MB
	TDP	67W	50W
	Chipset	N/A	
	BIOS	AMI EFI 512Mbit	
Memory	Technology	Up to 4x 2666/2933MHz DDR4 ECC/non-ECC SO-DIMM	
	Max. Capacity	128 GB	
	Socket	4 x 260-pin SO-DIMM	
Ethernet	LAN1, 2	10/100/1000 Mbps Intel I210 GbE, support Wake On Lan	
	LAN3, 4 (optional)	10GbE via Intel X550 (support by optional AMO-I031)	
Others	Watchdog Timer	255-level timer interval, setup by software	
	TPM	TPM 2.0 (Support by optional AMO-I029)	
I/O Interface	Serial Port	4 x RS-232/422/485 port with auto flow control	
	USB	4 x USB 3.0 ports	
	Video	1 x VGA via Aspeed AST2500 BMC	
	Others	1 x GbE management port, 1 x console port	
Expansions	M.2 B Key	1X 2230/2242/2280 support SIM holder #1	
	M.2 E Key	1X 2230 for WiFi Module #1	
	Add-on Card Slot	1 x PCIe4, Maximum card size 110mm(H) x 180mm(L)	
		1 x PCI, Maximum card size 110mm(H) x 180mm(L)	
1 x PCIe16, Maximum card size 130mm(H) x 320mm(L) x 3-slot(W)			
Storage	HDD	2 x 2.5" swappable SATAIII HDD Bay with RAID 0/1 and max height 15mm	
		(up to 4 x 2.5" SATAIII HDD Bay by optional AMK-A0042)	
Software Support	Microsoft Windows	Windows Server, Windows 10	
	Linux	Ubuntu 20.04, others by project support	
Power Requirements	Power Type	ATX	
	Power Input Voltage	100-240V AV	
	Power Adapter	850W power supply built-in	

<b>Model</b>		10-Core	4-Core
<b>Power Consumption (CPU/ Memory Only)</b>	Typical	72.6W	62.7W
	Max.	104.5W	83.6W
<b>Mechanical</b>	Mounting	Wall Mount	
	Dimensions (W x H x D)	230 x 205 x 390 mm (9.05" x 8.07 x 15.35")	
	Weight	9.7Kg	
	Fan	1 x system fan 120(W) x 120(H) x 38(D)mm, 1 x CPU cooler	
<b>System Management</b>	IPMI	Aspeed AST2500 BMC	
		IPMI 2.0 with virtual media over LAN and KVM-over-LAN support	
<b>Environment</b>	Operating Temperature	With extended temp peripherals: -10 ~ 50° C with 0.7m/s air flow	
	Storage Temperature	-40 ~ 85° C	
	Relative Humidity	95% @ 40° C (non-condensing)	
	Vibration during operation	With SSD: 3 Grms, IEC60068-2-64, random, 5-500 Hz, 1hr/axis	
	Shock during operation	With SSD: 30 G, IEC-60068-2-27, half sine, 11 ms duration	
	EMC	CE/FCC Class B, CCC, BSMI, UKCA	
	Safety	CB(62368), UL(62368), CCC, BSMI, UKCA	
#1 SIM holder and M.2 slot are hardware interfaces for wireless communication integration only. System level RF certification is not available.			

## The Power to Outperform

Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

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