DMiT — Design Manufacturing in Taiwan

Medical Engine
Medically certified
DE5500-M

The Medical Engine DE5500-M is supported by the 7/8th generation Intel® Core i processor. It is a High-Performance Medical-Grade computer with EN60601-1, and IEC60601-1 certifications. Chassis with antibacterial coating and it can stop bacteria colonizing on their surfaces and inhibits the ability of microorganisms to grow on the surface. Furthermore, the latest AOPEN intelligent Control (AiCU) is optional. This feature provides an easy management tool that can monitor and control the device.

The DE5500-M features:

+ Medical certification compliance
+ Antibacterial coating
+ Intel Core-i Platform
+ Integrated HEVC/H.265 10bit codec
+ AOPEN intelligent Control

AiCU

DE5500-M

COM Port x 2

USB 3.1 x 2 | Power Button | Antenna Hole | Extended Power Switch | DC in | HDMI2.0 x 2 | USB 3.1 x 2 | RJ45 LAN x 2 | Line-out | Antenna Hole

Model name		DE5500-M
Dimension	W x H x D (mm)	166 x 48 x 157 mm
	W x H x D (inch)	6.54 x 1.89 x 6.18 inch
Volume		1.25L
Weight		1.74 kgs / 3.83 lbs
CPU	Socket	CPU on board
	Type	Intel® 7/8th core I CPU TDP<=15W i7-8550U, 1.8~4.0 GHz, Quadl cores
Chipset	Type	-
Memory	Channel	Dual Channel
	Type	DDR4 SO-DIMM x 2
	Data rate	2133
	Max Memory	32G (based on OS support)
Graphics	Chip	Intel® HD Graphics 620 (GT2)
Expansion	Mini card	-
	Mini card half size	-
	M.2 2230	x 1
	M.2 2242	x 2
	M.2 2280	-
Audio	Type	Realtek HD Audio ALC269Q
	Channel	Stereo
LAN		Intel® Gigabit Ethernet i210-AT x 1 Intel® Gigabit Ethernet i219LM x 1
		10/100/1000Mbps
Storage Bay	2.5" SATA HDD	x 1
	M.2 SSD	x 1

Front Panel I/O	USB 2.0 Port	-
	USB 3.1 Port	x 2
	Others	-
Rear Panel I/O	DC Jack	x 1 (5517)
	HDMI 2.0 Port	x 2 (HDMI2.0)
	USB 2.0 Port	-
	USB 3.1 Port	x 2
	eSATA Port	-
	RJ45 LAN Jack	x 2
	Display Port	-
	Audio Set	Line-out	x 1
		Mic-in	-
	Antenna Holes	x 2
	Kensington Lock Hole	-
	COM Port	x 2
	Others	x 1 (Extend power SW)
CPU Thermal Module		AOPEN Thermal Module
WatchDog Timer		1 ~ 255 SEC./ min
Adapter		90W (19V, 4.74A) AC Adapter
Input Voltage		AC 100 ~ 240V
Environment		
MTBF		50,000hrs
Operating Temperature		0 ~50ºC (32 ~ 122ºF)
Storage Temperature		-30 ~ 60ºC (-22 ~ 140ºF)
Relative Humidity		95% RH (50ºC non-Condensing)

Supports:

AOPEN
Bright Ideas Connected

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