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Digital Engine
Medically certified
DE5500-M

The DE5500-M is a Digital Engine with all the necessary medical certifications to use its 24/7 operability in healthcare. The medical certifications make this device perfect for home healthcare environments and are used in patient monitors.[1] The device has good operating temperatures and has no restricted materials present, such as lead, mercury or cadmium.[2] On top of that it withstands electromagnetic interference, compliant with medical regulations.[3]
In short: a super safe mini PC, used in patient rooms, such as at the dentist!

The DE5500-M features:
+ 7th Generation Intel® Core™, available in i5 and i7
+ Medical grade AC adapter
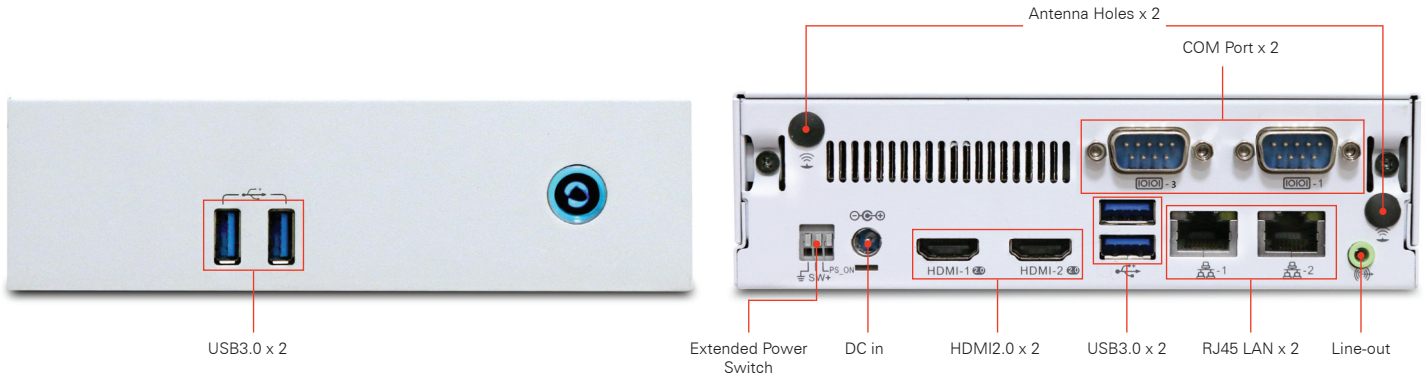+ HEVC/H.265 & VP9 high-definition playback (hardware accelerated)
+ Compact size
+ TPM2.0

1 https://www.bsigroup.com/en-GB/medical-devices/our-services/en-60601/
2 https://certifications.thomasnet.com/certifications/glossary/other-certification__registration/european-commission/rohs-compliant/
3 https://www.3ctest.co.uk/faqs

DE5500-M

Antenna Holes x 2
COM Port x 2

Extended Power Switch | DC in | HDMI2.0 x 2 | USB3.0 x 2 | RJ45 LAN x 2 | Line-out

USB3.0 x 2

Model name		DE5500-M
Summary		Digital Engine for medical purposes.
Dimension	W x H x D (mm)	166 x 48 x 158 mm
	W x H x D (inch)	6.54 x 1.89 x 6.22 inch
Volume		1.25L
Weight		1.12 kgs
CPU		7th Generation Intel® Core™ (i5, i7)
Memory	Channel	Dual Channel
	Type	DDR4 SO-DIMM x 2
	Data rate	2133
	Max Memory	32G (based on OS Support)
Graphics	Chip	Intel® UHD Graphics 620 (GT2)
Expansion Slot		M.2 2230 x 1 M.2 2242 x 2
Audio	Type	Realtek HD Audio ALC269Q
	Channel	Stereo
LAN		Realtek Gigabit Ethernet i210AT x 1, i219LM x 1 10 / 100 / 1000 Mbps
Storage	2.5" SATA HDD	x 1
	M.2 SSD	x 1
TPM		2.0

Supports:

Front Panel IO	USB 2.0 Port	-
	USB 3.0 Port	x 2
	Others	-
Rear Panel IO	DC Jack	x 1 (12V / 19V, 5517)
	HDMI Port	x 2 (HDMI2.0)
	USB 2.0 Port	-
	USB 3.0 Port	x 2
	eSATA Port	-
	RJ45 LAN Jack	x 2
	Display Port	-
	Audio Set — Line-Out	x 1
	Audio Set — Mic-in	-
	Antenna Holes	x 2
	Kensington Lock Hole	-
	COM Port	x 2
	Others	-
CPU Thermal Module		AOPEN Thermal Module
WatchDog Timer		1 ~ 255 sec/min
Adapter		GSM90A19-P1M (19V / 4.74A / 90W)
Input Voltage		AC 100 ~ 240V
Warranty		2 Years
Certifications		IEC 60601-1, EN 60601-1, CE, FCC, ROHS Compliance

Environment	
MTBF	50.000 hrs
Operating Temperature	0 ~ 50°C (32 ~122°F)
Storage Temperature	-20 ~ 60°C (-4 ~140°F)
Relative Humidity	95% RH (50° non-condensing)

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