

M-Max Platforms

Model	M-Max 6XX LP	M-Max 7XX PR5	M-Max 7XX PR7	M-Max 8XX AR	M-Max 8XX DT	M-Max 8XX EP4	M-Max 9XX CU
Parameter							
CPU	ARM i.MX6	Atom E3825	Atom E3826 / E3845	i3-6102E / i3-6100E	i7-6600U	i5-6442EQ / i7-6822EQ	Xeon E3-1505L V5
CPU frequency	800 MHz	1.33 GHz	1.46 GHz / 1.91 GHz	1.9 GHz / 2.7 GHz	2.6 GHz	1.9–2.7 GHz / 2.0–2.8 GHz	2.0 GHz–2.8 GHz
Cores / Threads	4 / 4	2 / 2	2 / 2 / 4 / 4	2 / 4	2 / 4	4 / 4 / 4 / 8	4 / 8
RAM (min / max)	2 GB (soldered)	2 / 4 GB	2 / 4 GB (soldered)	8 / 16 GB (soldered)	4 (soldered) / 20 GB	8 / 32 GB	32 GB
GPU	Vivante GC2000	HD 7th Gen.	HD 7th Gen.	HD 530	HD 520	HD 530	GeForce GTX 1050Ti
GPU frequency	–	533 MHz	533–667 / 542–792 MHz	0.35–0.95 GHz	0.3–1.0 GHz	0.35–1.0 GHz	1.392 GHz
SSD (min)	4 GB (soldered)	8 GB	8 GB	8 / 32 GB (soldered)	8 GB	8 GB	8 GB
SSD type	mSATA	mSATA2 + SATA2	mSATA2 + SATA2	Emb. SATA2 + 2x SATA3	mSATA3 + 2x SATA3	2x mSATA3 + SATA3	2x mSATA3 + 2x SATA3
Interfaces							
Video	VGA + HDMI	VGA	VGA + HDMI / DP	DP + HDMI	VGA + HDMI	2x HDMI / DP / DVI	6x HDMI / DP / DVI
Audio	2x IN + 2x OUT + 1x Mic	2x IN + 6x OUT + 2x Mic + SPDIF	2x IN + 2x OUT + 1x Mic	–	2x IN + 2x OUT + 1x Mic	2x HP + 2x Mic	2x HP + 2x Mic
GbE / Fast Ethernet	1 / –	2 / –	2 / –	2 / –	2 / –	2 / –	2 / –
USB 2.0/3.x	4 / –	2 / 1	2 / 1	4 / 1	2 / 4	– / 4	2 / 4
RS-232	2 (lim.)	–	–	2	–	–	2
RS-232/485	2	2 + 2 (lim.)	4 (lim.)	–	4 (lim.)	2 (lim.)	2 (RS-485)
PS/2 (kb, mouse)	–	–	–	–	–	–	–
DIO	8	8	16	8	16	–	4x IN + 4x OUT
Environmental and physical specifications							
Operating temp. (optional)	-40...+70 °C	-20...+55 °C (-40...+70 °C)	-40...+70 °C	-20...+60 °C (-40...+65 °C)	-40...+65 °C	-20...+55 °C (-40...+60 °C)	-40...+50 °C
Miscellaneous							
Power consumption	3 W	10 W	11 W / 14 W	45 W / 55 W	21 W	55 W / 65 W	90 W

M-Max Enclosures

Enclosure	Pandora	VersaTainer	ATR 1/2 Short / 3/8 Short	19/2" 1U / 3U	VITA 75 Compliant
Parameter					
Versions	1.7", 3", 5", 7", 10"	4", 6", 8", 10", 12", Custom length up to 48"	Custom versions on request	Custom versions on request	–
Max Heat dissipation, W	10 (1.7") / 30 (7")	60 (8")	95 / 90	30 / 90	55
Weight, kg	from 0.2* (1.7") to 1.2* (10")	from 1.2 (4"), to 3.2 (12")	6 / 5	2.3 / 4.5	2.5
Weight, lbs	from 0.45* (1.7") to 2.65* (10")	from 2.78 (4"), to 7.01 (12")	13.2 / 11	5.07 / 9.92	5.51
Dimensions* (W x H x L), mm	145 x 138 x 43 – 254	180.34 x 144.78 x 119 – 322.2	124 x 196.6 x 354.9 / 90.4 x 196.6 x 354.9	220 x 44 x 280 / 220 x 132 x 280	284.48 x 57.8 x 188
Dimensions* (W x H x L), in	5.75 x 5.5 x 1.7 – 10	7.1 x 5.7 x 4.69 – 12.69	4.88 x 7.74 x 13.97 / 3.56 x 7.74 x 13.97	8.66 x 1.7 x 11.02 / 8.66 x 5.19 x 11.02	11.2 x 2.28 x 7.4
Environmental and physical specifications for typical system					
Dust/Moisture	IP65 or IP66				
Vibration	2.5g	6g	2.5g	2.5g	2.5g
Shock	40g	75g	40g	40g	40g

* without endcaps, screws and gaskets