

Spectra PowerTwin 100-Series

Technical Data



Features

- Pre-defined Panel-PC
- Intel® Atom™ E3845
- 1 x mPCIe
- 1 x USB 3.2 Gen 1, 3 x USB 2.0
- 2 x GLAN, 2 x COM, 1 x DP, 1 x VGA
- Windows® 10 IoT Enterprise LTSC

Model	Spectra PowerTwin 100-15		Spectra PowerTwin 100-17		Spectra PowerTwin 100-21W	
	Basic 1	Basic 1 Wide Temp	Basic 1	Basic 1 Wide Temp	Basic 1	Basic 1 Wide Temp

Display

Size / Aspect ratio	15" / 4:3		17" / 5:4		21.5" / 16:9	
Resolution	1024 x 768		1280 x 1024		1920 x 1080	
Brightness (cd/m2)	350		350		300	
Touchscreen	capacitive or resistive					

System Configuration

Processor	Intel® Atom® E3845 4 Cores / 4 Threads / Base Freq. 1.91 GHz					
RAM	8 GB	8 GB WT	8 GB	8 GB WT	8 GB	8 GB WT
Storage	128 GB 2.5" SATA-6G	128 GB 2.5" SATA-6G WT	128 GB 2.5" SATA-6G	128 GB 2.5" SATA-6G WT	128 GB 2.5" SATA-6G	128 GB 2.5" SATA-6G WT
Operating System	Microsoft® Windows® 10 IoT Enterprise 2021 LTSC, 64-bit, german / english					
Operating Temperature	0°C ~ +45°C	-25°C ~ +60°C	0°C ~ +45°C	-25°C ~ +60°C	0°C ~ +45°C	-25°C ~ +60°C

Controllers & Interfaces

Ethernet	2 x Intel® i210 Gigabit-LAN, 2 x RJ45					
Graphics	integrated in CPU, 1 x DP (1920 x 1080 FHD), 1 x VGA (1920 x 1080 FHD)					
Audio	Realtek ALC888S Codec, 1 x Line-out, 1 x Mic-in					
Other I/O	1 x USB 3.2 Gen1, 3 x USB 2.0 2 x RS-232/422/485 DIO: 4 in-/4 outputs					

Drives & Expansions

Storage Slots (free)	1 x SIM, 1 x CFast					
PCI/PCIe Slots	-					
mPCIe Slots	1 x Full-Size for WiFi / GSM or expansion cards					
Antenna Breakouts	2 x for wireless communication					

Further Data

Power	AT/ATX 9~48 V DC (optional)					
Dimensions (W x H x D)	408 x 312 x 68 mm		450 x 350 x 72 mm		550 x 330 x 72 mm	
Cut-out Dimensions (B x H)	394 x 298,5 mm		436 x 366 mm		536 x 316,5 mm	
Weight (netto/brutto in kg)	6,1 / 8,3		7,3 / 9,9		8,2 / 11,1	
Mounting	Panel, Wall, VESA 100					
Warranty	24 months					

Spectra PowerTwin 100-Series Interfaces



Further models upon request!



Display Size	8.4"	10.4"	10.4"	12.1	15.6"	19"	24"
Aspect ratio	4:3	4:3	4:3	4:3	16:9	5:4	16:9
Resolution	800 x 600	800 x 600	1020 x 768	1020 x 768	1366 x 768	1280 x 1024	1920 x 1080
Brightness	400	400	400	500	400	350	300
Touchscreen	capacitive or resistive						
Cut-out Dimensions W x H in mm	248 x 172	281 x 213		331 x 251	406 x 240	496 x 375	591 x 359
Abmessungen W x H x D in mm	262 x 186 x 65	295 x 227 x 65		345 x 265 x 65	420 x 254 x 75	510 x 389 x 72	605 x 373 x 72
Weight (approx. kg)	3,0	3,5		4,5	5,5	8,0	8,0

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