



Industrial PC

Spectra PowerTwin 2200-Series

Industrial Panel-PC | Alder Lake

Features

- 12" to 24" multi-functional All-in-One Panel-PC
- Pre-defined Systems with Intel® Core™ i5-1245UE, 8 GB RAM, 128 GB 2.5" SSD, Windows 11 IoT
- 2x mPCIe, 1x M.2
- 3x USB 3.2 Gen2, 1x USB 2.0, 2x Gigabit-LAN, 4x RS-232/422/485, 16 DIO
- 1x DP, 1x HDMI, 1x VGA
- Fanless
- Front panel with IP65 protection class



PC Module + Display = Panel PC

 **spectra**

Spectra PowerTwin 2200-Series

Technical Data PC Unit

	Spectra PowerTwin 2200 Advanced 1	Spectra PowerTwin 2200 Advanced 1 Wide Temp
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System configuration

Processor	Intel® Core™ i5-1245UE / 10 Kerne / bis 4,40 GHz / 15W TDP	
RAM	8 GB	8 GB WT
Storage	128 GB 2.5" SATA-6G	128 GB 2.5" SATA-6G WT
OS	Microsoft® Windows® 11 IoT Enterprise LTSC 2024, 64-bit, german / english	
Operating temperature	0°C ~ +45°C	-40°C ~ +70°C

Controllers & Interfaces

Ethernet	1x Intel® i219 Gigabit-LAN, 1x Intel® i210 Gigabit-LAN 2 x RJ45	
Graphics	Intel® Iris® Xe Graphics 1 x DP (4096 x 2304 4K), 1 x HDMI (3840 x 2160), 1 x VGA (1920 x 1200 FHD)	
Audio	Realtek ALC888 Codec 1 x Line-out, 1 x Mic-in, Loudspeaker: 2 x 2 W	
Further I/O	3 x USB 3.2 Gen2, 1 x USB 2.0, 4 x RS-232/422/485, DIO: 8 Ein-/8 Ausgänge	

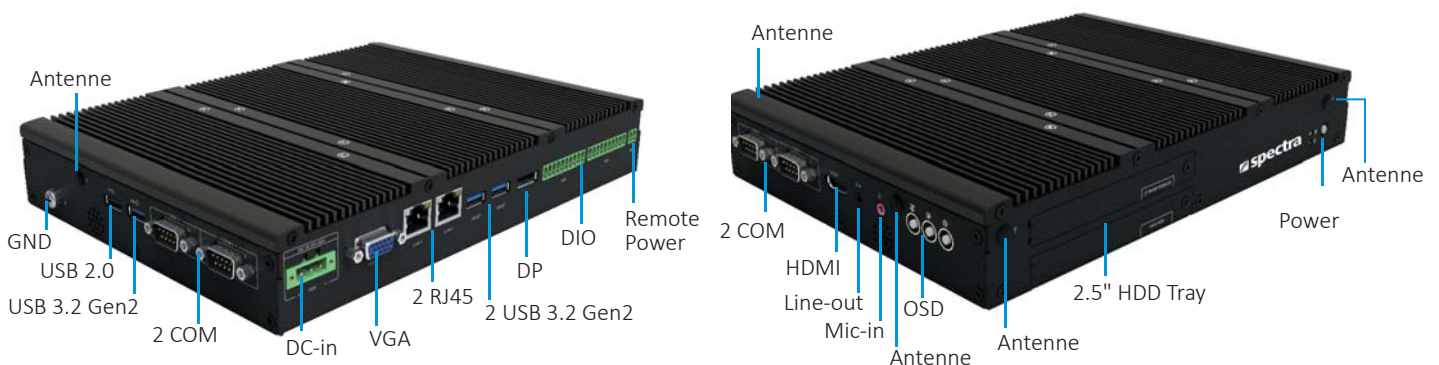
Drivers & Expansions

Storage Slots (free)	1 x 2.5" HDD/SSD, 1 x SIM	
PCI/PCIe Slots	-	
mPCIe Slots	2 x Full-Size for WiFi / GSM or expansion cards	
M.2 Slots	1 x M.2 2230 E-Key (CNVi)	
Antenna breakouts	4 x for wireless communication	

Further Data

Power	AT/ATX 9~48 V DC	
Mounting	Panel, Wall, VESA 100	
Warranty	24 months	

Interfaces PC Module



Spectra PowerTwin 2200-Series

Technical Data Displays

Model	Spectra PowerTwin 12H	Spectra PowerTwin 15	Spectra PowerTwin 15W	Spectra PowerTwin 17
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Display

Size / Aspect ratio	12.1" / 4:3	15" / 4:3	15.6" / 16:9	17" / 5:4
Resolution	1024 x 768	1024 x 768	1366 x 768	1280 x 1024
Brightness (cd/m ²)	500	350		350
Touchscreen	kapazitiv oder resistiv			
Mounting cutout (W x H)	331 x 251 mm	394 x 298,5 mm	406 x 240 mm	436 x 366 mm

Display + PC Module

Dimensions (W x H x D)	345 x 265 x 70 mm	408 x 312 x 72 mm	420 x 254 x 79 mm	450 x 350 x 79 mm
Weight (net/gross in kg)	7,1/9,1	7,1/9,3	8,1/10,8	8,3/10,9

Model	Spectra PowerTwin 19	Spectra PowerTwin 21W	Spectra PowerTwin 24W
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Display

Größe / Seitenverhältnis	19" / 5:4	21.5" / 16:9	24" / 16:9
Auflösung	1280 x 1024	1920 x 1080	1920 x 1080
Helligkeit (cd/m ²)	350	350	350
Touchscreen	kapazitiv oder resistiv		
Montageausschnitt (B x H)	496 x 375 mm	536 x 316,5 mm	591 x 359 mm

Display + PC Module

Abmessungen (B x H x T)	510 x 389 x 76,5 mm	550 x 330,5 x 76 mm	605 x 373 x 76 mm
Gewicht (netto/brutto in kg)	10,9/14	9,2/12,1	10,8/14,2

Extended equipment options

PC Module

- Processor: Intel® Core™ i3-1215UE, 6 Cores, up to 4.40 GHz, 15W TDP
- With Expansion slot: 1x PCI/PCIe(x4) for Cards with max. dimensions of 111 x 169 mm (HxL)
- Functions:
 - PoE Control Function, 25.5 W/Port
 - Power Ignition Sensing, 12V/24V selectable

Displays

- With Sunlight-readable Touch Displays
- Without Touchscreen

Optional Accessories

- Power Adapter:
 - 120W 24V/5A
 - 220W 24V/9.2A (when using PoE Function)
- Mounting: Kit for 19" Rackmount

Ask us!



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