



Industrial PC

Spectra PowerTwin 130-Series

Industrial Panel-PC | Alder Lake-N

Features

- 8" to 24" multi-functional All-in-One Panel-PC
- Pre-defined Systems with Intel® N97 Processor, 8 GB RAM, 128 GB SSD, Windows 11 IoT Enterprise
- 2x M.2
- 3x USB 3.2 Gen2, 1x USB2.0, 2x 2.5Gigabit-LAN, 2x COM, 8 DIO
- 1x DP, 1x VGA
- Fanless
- Front panel with IP65 protection class



PC Module + Display = Panel PC

 **spectra**

Spectra PowerTwin 130-Series

Technical Data PC Unit

| | Spectra PowerTwin 130 Basic 1-11 | Spectra PowerTwin 130 Basic 1-11 Wide Temp |
|--|-------------------------------------|---|
|--|-------------------------------------|---|

System configuration

| | | |
|-----------------------|---|------------------------|
| Processor | Intel® N97 / 4 Kerne / bis 3,60 GHz / TDP 12W | |
| 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 | 2x Intel® i225 2.5Gigabit-LAN 2 x RJ45 | |
| Graphics | Intel® UHD Graphics 1 x DP (4096 x 2304 4K), 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, 2 x RS-232/422/485, DIO: 4 Ein-/4 Ausgänge | |

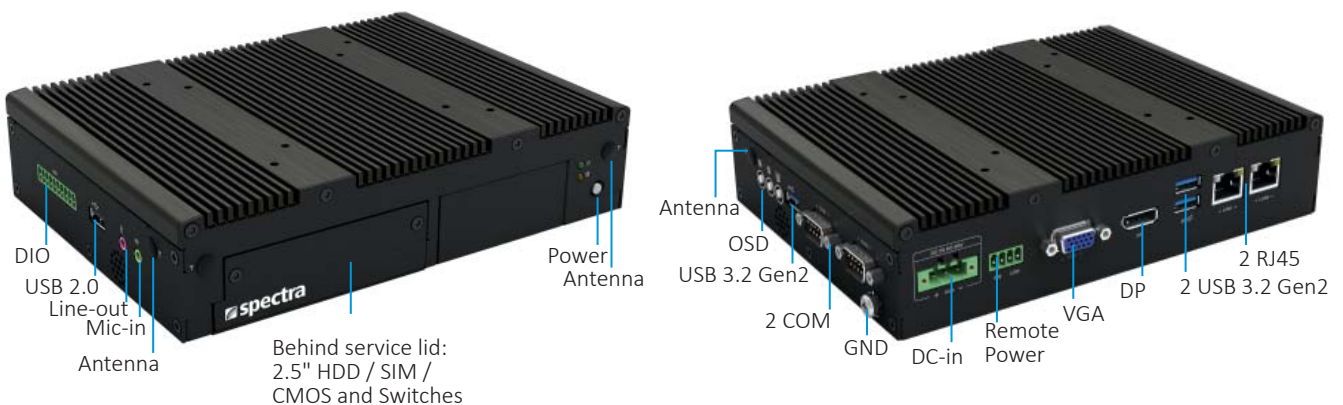
Drivers & Expansions

| | | |
|----------------------|--|--|
| Storage Slots (free) | 1 x SIM | |
| mPCIe Slots | - | |
| M.2 Slots | 1 x M.2 2230 E-Key (CNVi) 1x M.2 3042/3052 B-Key (5G/SATA/Add-on cards) | |
| Antenna breakouts | 3 x for wireless communication | |

Further Data

| | | |
|----------|------------------|--|
| Power | AT/ATX 9~48 V DC | |
| Warranty | 24 months | |

Interfaces PC Module



Spectra PowerTwin 130-Series

Technical Data Displays

| Modell | Spectra PowerTwin 08 | Spectra PowerTwin 10 | Spectra PowerTwin 10H | Spectra PowerTwin 12H |
|--------|----------------------|----------------------|-----------------------|-----------------------|
|--------|----------------------|----------------------|-----------------------|-----------------------|

Display

| | | | | |
|---------------------------------|-------------------------|--------------|------------|--------------|
| Size / Aspect ratio | 8.4" / 4:3 | 10.4" / 4:3 | | 12.1" / 4:3 |
| Resolution | 800 x 600 | 800 x 600 | 1024 x 768 | 1024 x 768 |
| Brightness (cd/m ²) | 400 | 400 | | 500 |
| Touchscreen | capacitive or resistive | | | |
| Mounting cutout (W x H) | 248 x 172 mm | 281 x 213 mm | | 331 x 251 mm |

Display + PC Module

| | | | | |
|--------------------------|-----------------------|---------------------|--|-------------------|
| Dimensions (W x H x D) | 262 x 186 x 69,5 mm | 295 x 227 x 69,5 mm | | 345 x 265 x 70 mm |
| Weight (net/gross in kg) | 3,6/5,3 | 4,2/6,0 | | 5,2/6,7 |
| Mounting | Panel, Wall, VESA 100 | | | |

| Modell | Spectra PowerTwin 15 | Spectra PowerTwin 15W | Spectra PowerTwin 17 |
|--------|----------------------|-----------------------|----------------------|
|--------|----------------------|-----------------------|----------------------|

Display

| | | | |
|---------------------------------|-------------------------|--------------|--------------|
| Size / Aspect ratio | 15" / 4:3 | 15.6" / 16:9 | 17" / 5:4 |
| Resolution | 1024 x 768 | 1366 x 768 | 1280 x 1024 |
| Brightness (cd/m ²) | 350 | 400 | 350 |
| Touchscreen | capacitive or resistive | | |
| Mounting cutout (W x H) | 394 x 298,5 mm | 406 x 240 mm | 436 x 366 mm |

Display + PC Module

| | | | |
|--------------------------|-----------------------|---------------------|---------------------|
| Dimensions (W x H x D) | 408 x 312 x 72,5 mm | 420 x 254 x 79,5 mm | 450 x 350 x 76,5 mm |
| Weight (net/gross in kg) | 6,4/8,6 | 6,4/8,6 | 7,6/10,2 |
| Mounting | Panel, Wall, VESA 100 | | |

| Modell | Spectra PowerTwin 19 | Spectra PowerTwin 21W | Spectra PowerTwin 24W |
|--------|----------------------|-----------------------|-----------------------|
|--------|----------------------|-----------------------|-----------------------|

Display

| | | | |
|---------------------------------|-------------------------|----------------|--------------|
| Size / Aspect ratio | 19" / 5:4 | 21.5" / 16:9 | 24" / 16:9 |
| Resolution | 1280 x 1024 | 1920 x 1080 | 1920 x 1080 |
| Brightness (cd/m ²) | 350 | 350 | 350 |
| Touchscreen | capacitive or resistive | | |
| Mounting cutout (W x H) | 496 x 375 mm | 536 x 316,5 mm | 591 x 359 mm |

Display + PC Module

| | | | |
|--------------------------|-----------------------|-----------------------|---------------------|
| Dimensions (W x H x D) | 510 x 389 x 76,5 mm | 550 x 330,5 x 76,5 mm | 605 x 373 x 76,5 mm |
| Weight (net/gross in kg) | 9,0/11,6 | 8,5/11,4 | 8,9/11,8 |
| Mounting | Panel, Wall, VESA 100 | | |

Spectra PowerTwin 130-Series

Extended equipment options

- Processor: Intel® Atom® x7425E 4 Kerne bis 3.40 GHz, TDP 12W
- PoE Control Function, 25.5 W/Port
- Power Ignition Sensing, 12V/24V selectable
- Display with Sunlight-readable Touch
- Display without Touchscreen

Optional Accessories

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

Ask us!



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