

SPECTRA POWERTWIN MINI-PC SERIES

FEATURES

- Compact, fanless Mini-PC
- Robust and in attractive industrial design
- Model-specific: With Whiskey Lake, Skylake, Apollo Lake or Bay Trail CPU
- Wide input power supply range: 9 – 48 V, with voltage monitoring
- Wall mount & model-specific DIN-rail mount



SPECTRA POWERTWIN MINI-PC SERIES

OVERVIEW

Series	Spectra PowerTwin with Whiskey Lake CPU	Spectra PowerTwin with Skylake CPU	Spectra PowerTwin with Apollo Lake CPU	Spectra PowerTwin with Bay Trail CPU
Processor	Intel® Core™ i5-8365UE Intel® Core™ i3-8145UE	Intel® Core™ i7-6600U Intel® Core™ i5-6300 Intel® Core™ i3-6100U	Intel® Atom™ x7-3950 Intel® Pentium® N4200	Intel® Atom™ E3845 Intel® Celeron® J1900
Models with expansion slots	yes	yes	no	yes
Dimensions (WxHxD) / Weight Basic Model	254,5 x 190 x 41,5 mm /2,2 kg	254,5 x 220 x 54 mm /2,92 kg	204,5 x 149 x 41,5 mm /1,49 kg	204,5 x 149 x 37,5 mm /1,34 kg
Model with expansions	254,5 x 190 x 61 mm /2,7 kg	254,5 x 220 x 72 mm /3,18 kg	-	204,5 x 149 x 60 mm /1,54 kg
Mounting	VESA, Wall, DIN-rail	VESA, Wall	VESA, Wall, DIN-rail	VESA, Wall

HMI SOLUTION

Together with the display modules of the Spectra PowerTwin Series, the Mini-PC of the Spectra PowerTwin series form a scalable panel PC complete solution for the industrial environment.

More information about Panel-PC Complete Solutions can be found on our website, in the brochure "Display Solutions" or directly from our sales staff.

FEATURES

- > Panel-PC or Monitor
- > 8" to 24"
- > Resistive / P-CAP Touchdisplay
- > Sunreadable P-CAP Touchdisplays
- > Without Touchdisplay
- > Widescreen Models



Modular

Expandable

Fanless

SPECTRA POWERTWIN MINI-PC – WITH APOLLO LAKE CPU

FEATURES

- Compact, fanless Mini-PC
- Robust and in attractive industrial design
- With Intel® Atom™ x7-3950
or Pentium® N4200 CPU
- Wide input power supply range:
9 – 48 V, with voltage monitoring
- Wall mount & DIN-rail mount



SPECTRA POWERTWIN WITH APOLLO LAKE CPU

TECHNICAL DATA

Model	Spectra PowerTwin- PE3950 PN4200
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MOTHERBOARD

Processor	Intel® Atom™ x7-3950 QC 1,6 GHz Intel® Pentium® N4200 QC 1,1 GHz
Chipset	SoC
Memory installed	1 x DDR3L (max. 8 GB) 8 GB, Wide Temp.
HDD / SSD	120 GB 2.5" SATA-6G SSD, Wide Temp.
mSATA / CF / SIM Socket	1 x SIM Socket (with front access)

I/O INTERFACES

Graphics	1 x VGA, 1 x DP
USB	4 x USB 3.0
Serial Ports	4 x RS-232/422/485
Ethernet	2 x Intel® I210AT GLAN
Audio	Line-out, Mic-in, Speakers: 2 x 2 W
Other	DIO: 4 In/ 4 out, isolated, Remote Power on/off

EXPANSIONS

Chassis break-out for Expansions	4 x Holes for antennas
Expansions	2 x mPCIe (Full-Size) 1 of which mSATA compatible

FURTHER DATA

Operating system	Microsoft® Windows® 10 IoT Enterprise, 64-bit
Operating temperature	-40°C to +75°C with Wide Temp. Components & Air Flow
Storage temperature	-40°C to +85°C
Relative Humidity	95%@75°C, non-condensing
Power	9 to 48 V DC, 3-pin Terminal Block, incl. 12 V 60 W Power adapter 5A C14 (With PoE Option: 24 V 120 W Power adapter)
Dimensions (WxHxD) / Weight	204,5 x 149 x 41,5 mm / 1,49 kg
Packing list	Manual & Drivers CD, Windows® Recovery Stick, Power adapter, 2 x Rails for Wall Mount, 2 x Clip for DIN-rail mount

INTERFACES & CONSTRUCTION



ORDERING INFORMATION

N° 156819 Spectra PowerTwin-PE3950

Mini-PC, Intel® Atom™ x7-E3950, 120 GB SSD, 8 GB RAM,
Windows® 10

N° 156821 Spectra PowerTwin-PN4200

Mini-PC, Intel® Pentium® N4200, 120 GB SSD, 8 GB RAM,
Windows® 10

SPECTRA POWERTWIN WITH APOLLO LAKE CPU

ACCESSORIES & DIMENSIONS

MOUNTING

Wall: 2 rails (included in packing list)

DIN-rail: Clips to install on wallmount rails (included in packing list)



OPTIONAL EQUIPMENT

FUNCTION EXPANSION KITS

Power Ignition Function for mobile application

PoE+ Function (Power over Ethernet)



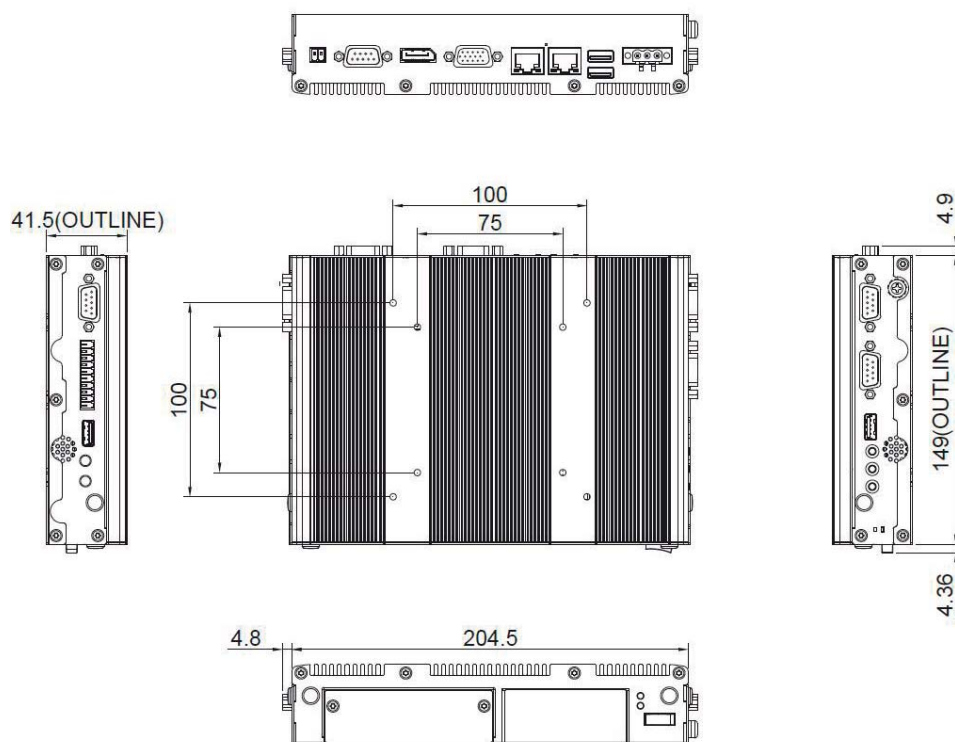
Power Ignition Module



PoE+ Module

Article n°	Model	Description
N° 151304	PB-3000A-IGN	Module-Kit, Power Ignition
N° 156452	PT-PN4-CFM-PoE02	Module-Kit, PoE+, 25,5 W

DIMENSIONS



Unit: mm

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