



Industrial PC

Spectra Silent-wDL

All-in-One PC, Design Line, Full IP65

Features

- High-quality and elegant chassis
- Full IP65 protection class
- All-in-One PC with 12" up to 24" Industrial Display
- Capacitive Touchscreen
- 21.5" & 24" Models with Widescreen
- Passive cooling (fanless)
- Front panel: Touch surfaces for brightness, volume, app-key, integrated RFID/NFC Reader
- Rear interfaces can be individually led out
- Front USB 2.0-Service socket, waterproof
- VESA or Stand mounting

Details



Spectra Silent-wDL

Displays' technical data

Model	Spectra Silent-wDL 12C	Spectra Silent-wDL 15C	Spectra Silent-wDL 17C
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Display

Size / Aspect Ratio	12.1" / 4:3	15" / 4:3	17" / 5:4
Resolution	1024 x 768 (XGA)	1024 x 768 (XGA)	1280 x 1024 (SXGA)
Brightness (cd/m ²)	500	400	350
Contrast Ratio	700:1	700:1	1000:1
Viewing Angles (h/v)	160°/160°	160°/140°	160°/160°
MTBF Backlight (h)	50.000	50.000	50.000
Touchscreen	capacitive	capacitive	capacitive
Dimensions (W x H x D)	305 x 264 x 46 mm	365 x 312 x 52 mm	407 x 357 x 56 mm
Weight (net/gross)	3,0 kg / 6,0 kg	5,5 kg / 8,5 kg	7,0 kg / 10 kg

Model	Spectra Silent-wDL 19C	Spectra Silent-wDL 21C	Spectra Silent-wDL 24C
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Display

Size / Aspect Ratio	19" / 5:4	21.5" / 16:9	24" / 16:9
Resolution	1280 x 1024 (SXGA)	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)
Brightness (cd/m ²)	350	300	300
Contrast Ratio	1000:1	3000:1	3000:1
Viewing Angles (h/v)	170°/160°	178°/178°	178°/178°
MTBF Backlight (h)	50.000	50.000	50.000
Touchscreen	capacitive	capacitive	capacitive
Dimensions (W x H x D)	450 x 391 x 58 mm	530 x 347 x 57 mm	590 x 385 x 57 mm
Weight (net/gross)	9,5 kg / 12,5 kg	9,5 kg / 12,5 kg	12 kg / 15 kg

Optional – Stand accessories

Aluminium, Adapter with pivot joint and flange plate,
pivoting range: -30°/+5°



Art. 145790 for 12" to 17" Displays

Art. 145791 for 19" to 24" Displays

Spectra Silent-wDL

Pre-configured systems' technical data

	Spectra Silent-wDL * J3455	Spectra Silent-wDL * i5-1145G7E
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System Configuration

Processor	Intel® Celeron® J3455 4 Cores / 4 Threads / 1,5-2,30 GHz	Intel® Core™ i5-1145G7E 4 Cores / 8 Threads / 1,50-4,10 GHz
Installed Memory	8 GB	8 GB
Installed Storage	256 GB M.2-2242 M-Key SATA SSD	256 GB M.2-2280 M-Key NVMe SSD
Operating system	Microsoft® Windows® 10 IoT Enterprise LTSC, 64-bit, german / english	
Operating temperature	0°C ~ +45°C	0°C ~ +45°C

Interfaces (Internal interfaces can be individually led out due to IP65 seal)

Ethernet	2 x RJ45	2 x RJ45
Graphics	1 x HDMI	2 x DP
USB	1 x USB 2.0 (underside, IP65) 3 x USB 3.2 Gen1 1 x USB 2.0	1 x USB 2.0 (underside, IP65) 3 x USB 3.2 Gen1 1 x USB 2.0
COM	1 x RS232 1 x RS232/422/485	2 x RS232/422/485
OSD Menu		
Wireless	RFID/NFC Reader	
Others	OSD-Menu: Helligkeit, Lautstärke, App-Taste (for Programm selection) Audio optional: 2 x 1 W (waterproof) Wireless optional: WLAN 802.11a/c, Bluetooth 5.1 2 cut-outs for 2 x external Antennas	

Drives & Expansions

mPCIe Slots	1	--
M.2 Slots	1 x M.2 3052 B-Key (SIM/5G)	1 x M.2 2230 E-Key (WLAN/BT) 1 x M.2 3052 B-Key (SIM/5G)

Further Data

Power	100- 240 VAC, integrated power supply (IP65)
Chassis	Aluminium, black, Full IP65
Cooling	passive (fanless)
Mounting	VESA 100, Stand (optional accessoire)
Warranty	24 month

Ordering information

Display Size	Spectra Silent-wDL * J3455		Spectra Silent-wDL * i5-1145G7E	
12.1"	N° 168580	Spectra Silent-wDL 12C J3455	N° 170745	Spectra Silent-wDL 12C i5-1145G7E
15"	N° 170741	Spectra Silent-wDL 15C J3455	N° 170746	Spectra Silent-wDL 15C i5-1145G7E
17"	N° 170743	Spectra Silent-wDL 17C J3455	N° 170747	Spectra Silent-wDL 17C i5-1145G7E
19"	N° 168583	Spectra Silent-wDL 19C J3455	N° 170750	Spectra Silent-wDL 19C i5-1145G7E
21.5"	N° 168095	Spectra Silent-wDL 21C J3455	N° 170751	Spectra Silent-wDL 21C i5-1145G7E
24"	N° 170744	Spectra Silent-wDL 24C J3455	N° 170752	Spectra Silent-wDL 24C i5-1145G7E