

21" Multimodal Terminal with 8th Generation Intel Processor



- 8th generation Intel® Core™ i5/celeron processor
- 21.5" full HD display with multi-touch P-CAP control
- M.2 expansion slots for integrating add-on modules
- Fanless design with upgrade IP54-rated protection for superior hygiene and infection control
- Equipped with Advantech's DeviceOn device management software
- Optional Wi-Fi, Bluetooth, RFID, smart card reader and auto-focus 5 megapixel camera
- Optional Mic-In/ Headphone-Out applicationsnwendungen

POC-421 is equipped with an integrated NVME SSD that facilitates real-time data processing and storage. Compliant with IEC/EN60601-1-2 Medical EMC standards for electrical devices, POC-421 terminals are built for reliable operation in a wide range of healthcare environments. Moreover, POC-421 is equipped with Advantech's DeviceOn/iService software, which is a next-generation unified device management solution based on the WISE-DeviceOn platform.

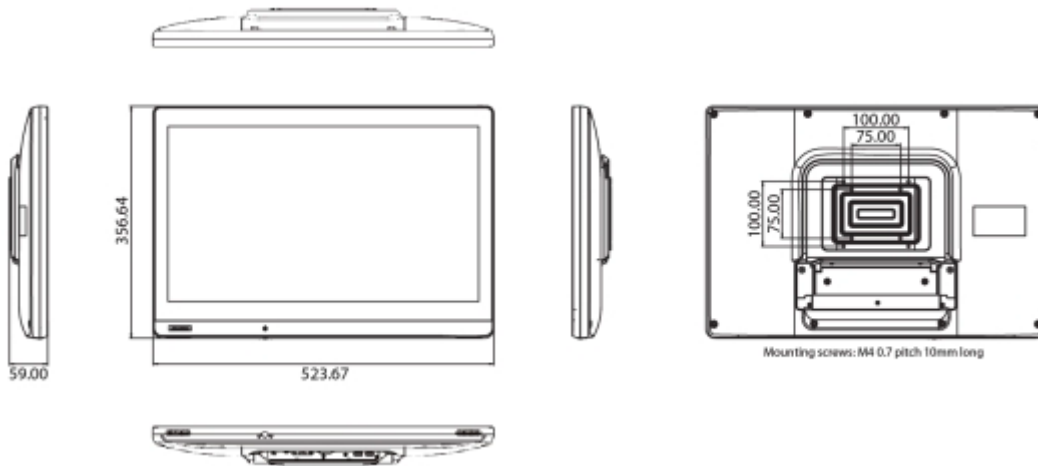
With support for batch operations and multi-device control, DeviceOn/iService enables easy device configuration and deployment for convenient remote device management.

Spezifikationen

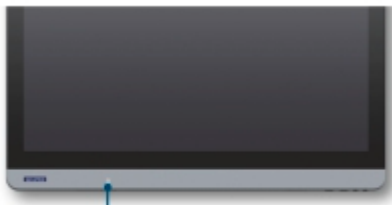
System	Processor*	Intel® Core™ i5-8365UE Processor (6M Cache, up to 4.1 GHz) Intel® Celeron 4305UE Processor (2M Cache, 2.0 GHz)
	Memory (default)	Memory (default) 8GB DDR4 (supports up to 16GB DDR4 SOD)
	Operating System	Operating System (optional) Windows 10 IoT Ent (64 bits only), Linux (upon request)
Storage	Primary Storage (default)	NVME/SATA SSD (M.2 2280)
Display	Size	21.5"
	Max. Resolution	1920 x 1080
Touch	Type	10-point multi touch P-CAP (clear glass)
	USB 3.1 Gen 1 (Typ A)	4
I/O Ports	HDMI	1
	LAN isoliert 1,5KV	2
	COM (RS232) 1,5 KV	1
Expansion Slots	M.2 2230 E. Key (Opt.)	1 (for Wi-Fi/Bluetooth module)
Other Functions	Speaker	2x (2 Watt)
	Camera	1 x 5 megapixel (optional)
	TPM 1.2/2.0	2.0 (default via software)
Power Specification	Power Input	DC 12V, max. 84W
IP Rating	Front Panel	Ip65
	System	IPX1 (IP54 optional)
Authentication Solution (Choose 1)	RFID Reader	Optional (choose either RFID or smart card reader)
	Smart Card Reader	Optional (choose either RFID or smart card reader)
Certification	EMC & Safety	Medical CE IEC/EN60601-1-2; IEC/EN60601-1; UL/IEC62368-1, FCC(Part 15B), CCC
Physical Characteristics	Dimensions	WxHxD: 524 x 357 x 62 mm / 20.63 x 14.06 x 2.44 in
	VESA Mount	100 x 100mm; 75 x 75mm
	Weight	6,29 kg / 13,86 lb
Environment	Operating Temperature	0 ~ 35 °C/32 ~ 95 °F
	Storage Temperature	0 ~ 50 °C/32 ~ 122 °F
Warranty	System	2 years

Dimensions

Einheit: mm

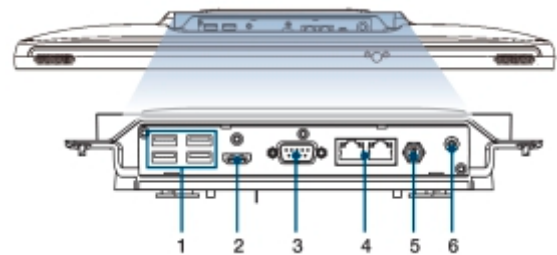


Front Function Keys



Power Button

I/O Ports

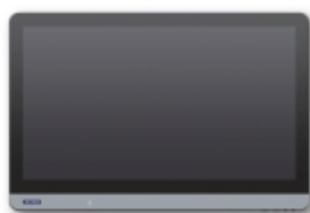


- (1) 4x USB3.1
- (2) HDMI
- (3) COM RS232 Port
- (4) 2x Gigabit Ethernet
- (5) DC-in
- (6) Equipotential terminal pin

Multimodal



All-in-One PC



Touch Display (PAX-1)



Box PC

Ordering Information

Part number	Description	Panel	CPU	DRAM	Touch	SSD	WiFi/Bluetooth
POC-421-11B000-CA	POC 21,5", i5, BareBom, IPX1	21,5"	i5	N/A	P-CAP	N/A	N/A
POC-421-11C000-CA	POC 21,5", Celeron, BareBom, IPX1	21,5"	Celeron	N/A	P-CAP	N/A	N/A
POC-421-11B00D-CA	POC 21,5", i5, 8G, 256G, Wifi, IPX1	21,5"	i5	8GB	P-CAP	256GB	Y

CTOS Service

Ordering Information

Part number	Description	Panel	CPU	DRAM	Touch	SSD	WIFI/Bluetooth
POC-421-11B000-CA	POC 21.5", I5, BareBom, IPX1	21.5"	i5	NA	P-CAP	NA	NA
POC-421-11C000-CA	POC 21.5", Celeron, BareBom, IPX1	21.5"	Celeron	NA	P-CAP	NA	NA
POC-421-11B00D-CA	POC 21.5", I5, 8G, 256G, Wifi, IPX1	21.5"	i5	8GB	P-CAP	256G	Y

Wi-Fi, IP54, box-PC and touch display module

Part number	Description
98R8POC4010	POC-4,9260,WIFI,BT5.0,Antenna,RF-RED
98R8POC4020	POC-4,8265,WIFI,BT4.2,Antenna
98R8POC4030	POC-4,IP54,Kit package
98R8POC4040	POC-4,21.5"Touch Display Module,W/Cover
98R8POC4050	POC-4,23.8"Touch Display Module,W/Cover
98R8POC4060	POC-4,PC-BOX i5,Bare BOM
98R8POC4070	POC-4,PC-BOX i5/8G/256G/Wifi

Memory

Part number	Description
AQD-SD4U4GN24-SG	4G SO-DDR4-2400 512X8 1.2V SAM
AQD-SD4U8GN24-SE	8G SO-DDR4-2400 1GX8 1.2V SAM
AQD-SD4U8GN24-HE (Focus)	8G SO-DDR4-2400 1GX8 1.2V HYG
AQD-SD4U16N24-SE	16G SO-DDR4-2400 1GX8 1.2V SAM
AQD-SD4U16N24-HE	16G SO-DDR4-2400 1GX8 1.2V HYG

M.2 2280 SATAIII

Part number	Description
96FD80-N128-TS	KIOXIA SSSTC SEMI-WT SSD 128GB 2280 SATA3 Tos 96 TLC -25°C ~ +85 °C
96FD80-N256-TS (Focus)	KIOXIA SSSTC SEMI-WT SSD 256GB 2280 SATA3 Tos 96 TLC -25°C ~ +85 °C
96FD80-N512-TS	KIOXIA SSSTC SEMI-WT SSD 512GB 2280 SATA3 Tos 96 TLC -25°C ~ +85 °C
96FD80-N1TB-TS	KIOXIA SSSTC SEMI-WT SSD 1TB 2280 SATA3 Tos 96 TLC -25°C ~ +85 °C

M.2 2280 SQF NVME

Part number	Description
SQF-C8MV2-128GCEDC	SQF PCIe/NVMe M.2 2280 OPAL 720-C 128G 3D TLC BiCS4 (0 ~ 70 °C)
SQF-C8MV2-256GCEDC (Focus)	SQF PCIe/NVMe M.2 2280 OPAL 720-C 256G 3D TLC BiCS4 (0 ~ 70 °C)
SQF-C8MV4-512GCEDC	SQF PCIe/NVMe M.2 2280 OPAL 720-C 512G 3D TLC BiCS4 (0 ~ 70 °C)
SQF-C8MV4-1TCEDC	SQF PCIe/NVMe M.2 2280 OPAL 720-C 1T 3D TLC BiCS4 (0 ~ 70 °C)
SQF-C8MV4-2TCEDC	SQF PCIe/NVMe M.2 2280 OPAL 720-C 2T 3D TLC BiCS4 (0 ~ 70 °C)