



# Industrial PCs – OPC9000 series

## Fanless Panel PCs for operation & visualisation

The latest generation of ADS-TEC Industrial PCs has been developed from scratch on the basis of our decades of experience and each detail has been optimised. The capacitive touch screen HMIs, which are available in three inch sizes, deliver powerful performance with 8th-generation Intel® Celeron® and Intel® Core™ processors and do not require a fan.



### Strong performance

- > Latest 8th-generation Intel® Celeron® 4305UE and Intel® Core™ i5-8365UE processors (Whiskey Lake)
- > Memory for demanding applications with up to 32 GB of fast DDR4 RAM
- > Up to 512 GB Flash SSD mass storage, optionally configurable as RAID

### Easy servicing & quick installation

- > Rear service duct access provides fast access to Flash SSD and CMOS battery
- > The innovative mounting concept of the OPC9000 series enables easy installation of the device without separate assembly parts
- > Due to the specific shape of the mounting elements, the panel PC is pressed against the installation wall in a linear manner, which ensures optimum security and even distribution of weight on the installation wall

### Big-LinX® IIoT Client

- > VPN tunnel secured via smartcard (optional software certificate also available)
- > Includes X-Remote for secure remote desktop connection
- > Configurable and secure data push for provision and visualisation of remote maintenance or other big data applications
- > Keep software, firmware and BIOS always up-to-date on your devices

### Extensibility

With the optionally available Hilscher netJACK modules, various fieldbus types can be integrated into the OPC9000 without tools.



# Technical Data

	OPC9016	OPC9019	OPC9024	
<b>Display</b>	Resolution	15.6" TFT Full HD	18.5" TFT Full HD	23.8" TFT Full HD
	Brightness	450 nits (typ.)	500 nits (typ.)	250 nits (typ.)
	Contrast ratio	800:1 (typ.)	1000:1 (typ.)	1000:1 (typ.)
	Displayable colors	max. 16.2 million	max. 16.7 million	max. 16.7 million
<b>Touch</b>	PCAP multi-touch (can be operated whilst wearing gloves)			
<b>Housing</b>	Die-cast aluminium, powder-coated			
<b>Kühlung</b>	Passive cooling, fanless			
<b>Processor</b>	Intel® Celeron® 4305UE 2.0 GHz dual-core Intel® Core™ i5-8365UE 1.6 GHz quad-core			
<b>RAM</b>	Up to 32 GB DDR4 RAM			
<b>Mass storage</b>	1 x 128 GB M.2 SSD			
	1 x 256 GB M.2 SSD			
	2 x 128 GB M.2 SSD, configurable as RAID			
	2 x 256 GB M.2 SSD, configurable as RAID			
<b>Interfaces</b>	4 x USB 3.1 Gen. 2			
	3 x Ethernet (10/100/1000 Mbit/s)			
	1 x DisplayPort++ (1.2)			
	1 x 5-pin supply socket with 2 digital I/Os (1 x IN / 1 x OUT)			
	1 x smartcard reader for ADS-TEC Big-LinX			
<b>Button</b>	1 x capacitive ON/OFF button on the front side (can be deactivated)			
	1 x ON/OFF button on the reverse side			
<b>Optional interfaces<sup>1</sup></b>	1 x Hilscher netJACK slot for fieldbus integration <sup>2</sup> 2 x antenna sockets for external Wi-Fi 1 x HDBaseT™ interface (transmitter)			
<b>Power adapter</b>	24 VDC +/- 20%			
<b>Operating system</b>	Windows 10 IoT Enterprise 2019 LTSC			
<b>Protection class</b>	IP65 (front) / IP20 (back)			
<b>Operating temperature</b>	0 °C to +45 °C	0 °C to +45 °C	0 °C to +45 °C	
<b>Dimensions (W x H x D)</b>	392 x 266 x 77 mm	459 x 304 x 77 mm	571 x 367 x 76 mm	
<b>Weight</b>	approx. 5.0 kg	approx. 5.8 kg	approx. 8.1 kg	

<sup>1</sup> Hilscher netJACK and external Wi-Fi are mutually exclusive

<sup>2</sup> Profibus, CANopen, DeviceNET, CC-Link, EtherCAT, EtherNet/IP, Modbus, POWERLINK, PROFINET, VARAN, Sercos

