



Panel PC – OPC8000 series

The all-time favourite for perfect visualisations

Its robust design made this operating unit highly popular from the very beginning. The galvanised sheet metal housing together with the thermally treated front glass pane ensure maximum stability and a very compact design. Optimised in every detail and extremely powerful. Everything you need for efficient, reliable performance.



Everything clearly in view

- > Screen sizes: 17.3 or 23.8 inches in Full HD resolution
- > Capacitive multi-touch display
- > Operable with glove

Reduced to the essentials

- > Thermally hardened and anti-reflective glass panel
- > Front in protection class IP65
- > Fanless with passive cooling

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

Technical data

	OPC8017	OPC8024
Display	Resolution 17.3" LED backlight 1920x1080 pixels	23.8" LED backlight 1920x1080 pixels
Touch	PCAP multi-touch, 3 mm glass, hardened and non-reflecting	
Gehäuse	Galvanised sheet metal housing	
Cooling	Passive, fanless	
Processor	Intel® Celeron® 2980U 1.6GHz Intel® Core™ i5 4300U 1.9GHz	
RAM	4 GB DDR3 8 GB DDR3	
Mass storage	SSD up to 500GB mSATA SSD up to 128GB	
Network	2 x 1 GBit/s Ethernet RJ45	
Interfaces	1 x USB2.0 2 x USB3.0 1 x SD card slot	
Power adapter	Nominal voltage 12 - 48 VDCIN (tolerance: 9 - 60 VDCIN)	
Operating system	Windows® 10 IoT Enterprise	
Protection class	IP65 on the front, IP20 on the back (Not verified by UL, tested by ads-tec Industrial IT GmbH)	
Vibration	EN 60068-2-6 3M5 (according 60721-3-3)	
Shock	EN 60068-2-27 3M5 (according 60721-3-3)	
Humidity	10 to 85 %, non-condensing	
Operating temperature	0 °C to + 50 °C	0 °C to + 45 °C
Dimensions (B x H x T)	433 x 263 x 88 mm	580 x 349 x 88 mm
Installation cutout (W x H)	422 x 252 mm	569 x 338 mm
Installation depth	83 mm	
Weight	4,8 kg	8,1 kg





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

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Extensibility

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



Technical Data

	OPC9016	OPC9019	OPC9024	
Display	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
Touch	PCAP multi-touch (can be operated whilst wearing gloves)			
Housing	Die-cast aluminium, powder-coated			
Kühlung	Passive cooling, fanless			
Processor	Intel® Celeron® 4305UE 2.0 GHz dual-core Intel® Core™ i5-8365UE 1.6 GHz quad-core			
RAM	Up to 32 GB DDR4 RAM			
Mass storage	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			
Interfaces	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			
Button	1 x capacitive ON/OFF button on the front side (can be deactivated)			
	1 x ON/OFF button on the reverse side			
Optional interfaces¹	1 x Hilscher netJACK slot for fieldbus integration ² 2 x antenna sockets for external Wi-Fi 1 x HDBaseT™ interface (transmitter)			
Power adapter	24 VDC +/- 20%			
Operating system	Windows 10 IoT Enterprise 2019 LTSC			
Protection class	IP65 (front) / IP20 (back)			
Operating temperature	0 °C to +45 °C	0 °C to +45 °C	0 °C to +45 °C	
Dimensions (W x H x D)	392 x 266 x 77 mm	459 x 304 x 77 mm	571 x 367 x 76 mm	
Weight	approx. 5.0 kg	approx. 5.8 kg	approx. 8.1 kg	

¹ Hilscher netJACK and external Wi-Fi are mutually exclusive

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

