



OT1400 Operator Terminal for support arm mounting

Panel-PC - Serie

The operator terminals of the OT1400 series are a combination of state-of-the-art technology, flexibility, long-term availability and contemporary design. The large selection of screen diagonals, performance classes and mass storage options ensures an optimum price performance ratio.

Haptic operating elements such as buttons and switches can be selected as required and arranged flexibly on the device. Thanks to the direct real-time integration on the machine controls via fieldbus or direct wiring, these are suitable both for setting operation as well as for emergency shutdowns. Additional access control elements such as keyswitches and RFID reader units for two-factor authentication are available in addition to the typical screen passwords.

The fully enclosed device is designed for free-standing operation in industrial environments – the OT1400 panel PCs can be positioned directly on swing arms or brackets or on plinths. Operation is thus also possible at different operating positions and without any restriction in viewing angle with just a single device.

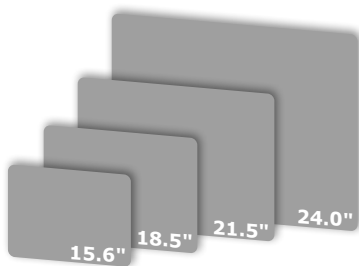
All models of the OT1400 product series offer projective-capacitive multi-touch operation and captivatingly brilliant full HD displays in 15.6" to 24" widescreen diagonals. The consistent use of industrially robust components protects the investment made through long-term availability, a long lifespan and robust design.

An industrially robust embedded operating system is provided in the form of Windows 10 IoT Enterprise. The units are supplied as standard with everything required for the troublefree operation of a web visualization software such as atvise®. Installation can be adapted individually to customer requirements and can be factory shipped already preconfigured to ensure efficient commissioning.

Features:

- Processor/RAM:
 - Intel Celeron 3965U
 - Intel Core i3-7100U
 - Intel Core i5-7300U
 - Intel Core i7-7600U
 - Up to 16 GB DDR4 RAM
- Ultra-fast SSD mass storage up to 512 GB
- Integrated interfaces:
 - 2x GBit/s Ethernet, 2x USB3.0, 2x USB 2.0, 1x DisplayPort, 1x EIA-232/422/485, further optional interfaces
- Optional fieldbus connection for operating elements:
 - EtherCAT, EtherNet/IP, Modbus TCP, PROFINET, CAN
- Operating system: Windows 10 IoT Enterprise

Item	Item No.
OT1415WM/BE1/CEG7/4G/ P/M.264/W10E/atvise®	Configuration dependent
OT1418WM/BE1/CEG7/4G/ P/M.264/W10E/atvise®	Configuration dependent
OT1421WM/BE1/CEG7/4G/ P/M.264/W10E/atvise®	Configuration dependent
OT1424WM/BE1/CEG7/4G/ P/M.264/W10E/atvise®	Configuration dependent
... other variants on request	



Product family OT1400				
Processor and Memory				
Processor	Intel Celeron 3965U 2x 2.20 GHz [CEG7] Intel Core i3-7100U 2x 2.4 GHz [I3G7] Intel Core i5-7300U 2x 2.6 GHz [I3G7] Intel Core i7-7600U 2x 2.8 GHz [I7G7]			
Working memory	4, 8 or 16 GB DDR4 RAM			
Mass storage				
M.2	1x 64 to 512 GB (internal))			
Display (Widescreen)	15WM	18WM	21WM	24WM
Diagonal	15.6"	18.5"	21.5"	24"
Resolution	1920x1080	1920x1080	1920x1080	1920x1080
Display brightness	450 cd/m ²	500 cd/m ²	400 cd/m ²	300 cd/m ²
Half brightness min.	50.000 h	50.000 h	50.000 h	50.000 h
Contrast relation	800:1	1000:1	1000:1	5000:1
Viewing angle (L, R, U, D)	85/85/85/85°	85/85/85/85°	85/85/85/85°	85/85/85/85°
Touch	Projected capacitive multitouch			
Design				
Design	OT1400 rounded			
Interfaces				
Ethernet	2x 100/1000 MBit			
USB	2x USB 3.0, 2x USB 2.0			
Video	1x DisplayPort			
Power supply				
Supply	24 V DC (10,8 to 28,8 V DC)			
Uninterruptible power supply	Yes (optional)			
Operating elements configuration dependent				
Pushbutton	2xNO, 2xNC, 1xNC + 1xNO blue, yellow, green, red, white, transparent			
Selector switch	2xNO, 2xNC, 1xNC + 1xNO 1x90°, 2x60°, 1x60° + 1x40°, 2x40°, latching/touching			
Key switch	2xNO, 2xNC, 1xNC + 1xNO 1x90°, 2x90°, latching/touching			
Emergency stop	2xNO + 1xNC			
USB socket	USB 2.0			
RFID reader	Yes			
Fieldbus connection (optional)				
EtherNet/IP	Yes			
EtherCAT®	Yes			
Profinet	Yes			
Can	Yes			
Ambient conditions				
Operating temperature	0 to +50 °C			
Storage temperature	-20 to +70 °C			
Relative humidity	5 to 80 % without condensation			
Degree of protection	IP65 front / IP20 rear (only in the area of the connection panel, can be optionally upgraded to IP65)			

Product family OT1400				
Software				
Operating system	Windows 10 IoT Enterprise (64 Bit)			
Pre-installed software	Industrial Browser Configuration software (TSSW) atvise (web visualization)			
Dimensions [mm]	15WM	18WM	21WM	24WM
Outer contour WxH [mm]	412 x 320	477 x 357	548 x 398	604 x 431
Depth [mm]	62	62	62	62
Weight [kg]	5	6,5	7,5	9
Mounting system	VESA 75/100	VESA 75/100	VESA 75/100	VESA 75/100
Certifications				
CE	Yes			
RoHS	Yes			
RoHS China	In preparation			
UL and CUL	In preparation			
CCC	In preparation			

Order Code		
Item	Item-No.	Description
OT1415WM/BE1/CEG7/4G/P/M.264/W10E/atvise®	Configuration dependent	Operator Terminal: 15.6" (1920x1080); projected-capacitive multi-touch; Intel Celeron 3965U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x ETH 10/100/1000; 2x USB3.0; 2x USB2.0; 1x DisplayPort; 64 GB M.2 SSD; OS: Windows 10 IoT Enterprise (64-bit) incl. atvise hmi license
OT1418WM/BE1/CEG7/4G/P/M.264/W10E/atvise®	Configuration dependent	Operator Terminal: 18.5" (1920x1080); projected-capacitive multi-touch; Intel Celeron 3965U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x ETH 10/100/1000; 2x USB3.0; 2x USB2.0; 1x DisplayPort; 64 GB M.2 SSD; OS: Windows 10 IoT Enterprise (64-bit) incl. atvise hmi license
OT1421WM/BE1/CEG7/4G/P/M.264/W10E/atvise®	Configuration dependent	Operator Terminal: 21.5" (1920x1080); projected-capacitive multi-touch; Intel Celeron 3965U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x ETH 10/100/1000; 2x USB3.0; 2x USB2.0; 1x DisplayPort; 64 GB M.2 SSD; OS: Windows 10 IoT Enterprise (64-bit) incl. atvise hmi license
OT1324WM/BE1/CEG7/4G/P/M.264/W10E/atvise®	Configuration dependent	Operator Terminal: 24" (1920x1080); projected-capacitive multi-touch; Intel Celeron 3965U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x ETH 10/100/1000; 2x USB3.0; 2x USB2.0; 1x DisplayPort; 64 GB M.2 SSD; OS: Windows 10 IoT Enterprise (64-bit) incl. atvise hmi license