

## OT1300 Operator Terminal Panel PC Series

The operator terminals of the OT1300 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.

Through the use of the 11. generation of Intel Core processors the OT1300 Series sets new standards. Performance bottlenecks in applications are now a thing of the past.

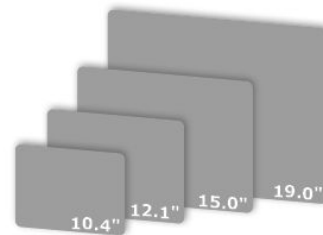
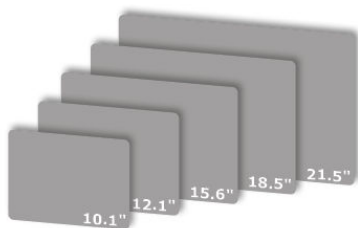
An industrially robust embedded operating system is provided in the form of Windows 10 IoT Enterprise. The units are supplied as standard with everything required for trouble-free operation of a web visualization software such as atvise®. Installation can be adapted individually to customer requirements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

The latest devices of the OT1300 product series with projected-capacitive multi-touch operation stand out on account of their new design and brilliant full HD display with 10.1" to 21.5" widescreen diagonals. The use of industrially robust components throughout ensures long-term availability, a long lifespan and thus investment protection. The fan-free construction without any moving parts meets the most demanding requirements with regard to shock and vibration.

### Features:

- Processor/RAM:  
Intel Celeron 3955U  
Intel Core i3-1115GRE  
Intel Core i7-1185GRE  
Intel Core i3-6100U  
Intel Core i5-6300U  
Intel Core i7-6600U
- Ultra-fast CFast or SSD mass storage
- Integrated interfaces:  
2x GBit/s Ethernet, 2x USB 3.0, 2x USB 2.0, 1x USB-C, 1x HDMI; additional interfaces can be added
- Standard operating temperature:  
0 to +60 °C fan-free
- Operating system: Windows 10 IoT Enterprise
- Extended temperature range on request

Part Type Designation	Part Number
OT1310WM/BE1/CEG6/4G/ P/M.264/W10E	00035145-00
OT1312WM/BE1/CEG6/4G/ P/M.264/W10E	00034835-00
OT1315WM/BE1/CEG6/4G/ P/M.264/W10E	00034836-00
OT1318WM/BE1/CEG6/4G/ P/M.264/W10E	00034719-00
OT1321WM/BE1/CEG6/4G/ P/M.264/W10E	00034837-00
... other variants on request	



## OT1300 Product Series

Processor and Memory	
Processor	Intel Celeron 3955U 2x 2.00 GHz [CEG6] Intel Core i3-1115GRE 2x 3.0 (3.9) GHz [I3G11] Intel Core i7-1185GRE 2x 2.8 (4.4) GHz [I7G11] Intel Core i3-6100U 2x 2.30 GHz [I3G6] Intel Core i5-6300U 2x 2.40 (3.00) GHz [I5G6] Intel Core i7-6600U 2x 2.60 (3.40) GHz [I7G6]
Working memory	4, 8 or 16 GB DDR4 RAM <sup>1) 2)</sup>
<sup>1)</sup> With selection Intel Celeron 3955U processor, max. 8 GB	
<sup>2)</sup> With selection Intel Core i3/i7 Gen. 11, min. 8 GB RAM	

Mass storage	
M.2	1x optional, 32 to 512 GB (internal) <sup>3)</sup>
CFast	1x optional, 16 to 128 GB (exchangeable) <sup>3)</sup>
<sup>3)</sup> Primary mass storage for the operation of Win. 10, min. 64 GB	

Display (Widescreen)	10WM	12WM	15WM	18WM	21WM
Diagonal	10.1"	12.1"	15.6"	18.5"	21.5"
Resolution	1280x800	1280x800	1920x1080	1920x1080	1920x1080
Display brightness	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
Half brightness min.	50,000 h	50,000 h	50,000 h	70,000 h	30,000 h
Viewing angle (L, R, U, D)	85/85/85/85°	89/89/89/89°	85/85/85/85°	89/89/89/89°	89/89/89/89°
Touch	Projected-capacitive multi-touch				

Display (4:3/5:4)	10	12	15	19	-
Diagonal	10.4"	12.1"	15"	19"	
Resolution	640x480	800x600	1024x768	1280x1024	
Display brightness	450 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	-
Half brightness min.	50,000 h	50,000 h	50,000 h	50,000 h	
Viewing angle (L, R, U, D)	80/80/60/80°	80/80/65/70°	85/85/85/85°	89/89/89/89°	
Touch	Analog resistive touch				

Design	
Design	Bachmann standard (neutral) Custom designs on request

Interfaces	
Ethernet	2x 10/100/1000 MBit
USB	2x USB 3.0, 2x USB 2.0, 1x USB-C
Video	1x HDMI
Power Supply	24 V DC (18 V DC to 34 V DC)

Environmental conditions	10.1" to 19"	21.5"
Operating temperature	0 to +60 °C	0 to +55 °C
Storage temperature	-20 to +70 °C	
Relative humidity	5 to 95 % without condensation	
Degree of protection	IP65 front / IP20 rear	

Software	
Operating systems	Windows 10 IoT Enterprise (64-bit)
System software	Industrial browser TSSW configuration software TSSW device interface (REST API)

Dimensions [mm]	10WM	12WM	15WM	18WM	21WM
Cutout WxH [mm]	283 x 210	329 x 240	413 x 273	479 x 312	550 x 352
Outer contour WxH [mm]	298 x 225	344 x 255	428 x 288	493 x 326	564 x 366
Depth [mm]	75	76	76	74	75
Weight [kg]	3.35	4.70	5.50	5.85	7.00

Dimensions [mm]	10	12	15	19	-
Cutout WxH [mm]	290 x 214	321 x 233	386 x 288	452 x 356	
Outer contour WxH [mm]	310 x 234	341 x 253	406 x 308	471 x 375	
Depth [mm]	69	69	77	77	
Weight [kg]	3.10	3.65	4.90	6.60	

Certifications	
CE	Yes
UKCA	Yes
RoHS	Yes
RoHS China	Yes
UL and CUL	Yes
CCC	Yes

## Order Data

Part Type Designation	Part Number	Description
OT1310WM/BE1/CEG6/ 4G/P/M.264/W10E	00035145-00	Operator Terminal: 10.1" (1280x800); Projected-capacitive multi-touch; Intel Celeron 3955U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x Eth 10/100/1000; 2x USB3.0; 2x USB2.0; 1x USB-C; 1x HDMI; 64 GB M.2 SSD; CFast-Slot; OS: Windows 10 IoT Enterprise (64-bit)
OT1312WM/BE1/CEG6/ 4G/P/M.264/W10E	00034835-00	Operator Terminal: 12.1" (1280x800); Projected-capacitive multi-touch; Intel Celeron 3955U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x Eth 10/100/1000; 2x USB3.0; 2x USB2.0; 1x USB-C; 1x HDMI; 64 GB M.2 SSD; CFast-Slot; OS: Windows 10 IoT Enterprise (64-bit)
OT1315WM/BE1/CEG6/ 4G/P/M.264/W10E	00034836-00	Operator Terminal: 15.6" (1920x1080); Projected-capacitive multi-touch; Intel Celeron 3955U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x Eth 10/100/1000; 2x USB3.0; 2x USB2.0; 1x USB-C; 1x HDMI; 64 GB M.2 SSD; CFast-Slot; OS: Windows 10 IoT Enterprise (64-bit)
OT1318WM/BE1/CEG6/ 4G/P/M.264/W10E	00034719-00	Operator Terminal: 18.5" (1920x1080); Projected-capacitive multi-touch; Intel Celeron 3955U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x Eth 10/100/1000; 2x USB3.0; 2x USB2.0; 1x USB-C; 1x HDMI; 64 GB M.2 SSD; CFast-Slot; OS: Windows 10 IoT Enterprise (64-bit)
OT1321WM/BE1/CEG6/ 4G/P/M.264/W10E	00034837-00	Operator Terminal: 21.5" (1920x1080); Projected-capacitive multi-touch; Intel Celeron 3955U (2x 2.00 GHz); 4 GB DDR4 RAM; 2x Eth 10/100/1000; 2x USB3.0; 2x USB2.0; 1x USB-C; 1x HDMI; 64 GB M.2 SSD; CFast-Slot; OS: Windows 10 IoT Enterprise (64-bit)