TOUCAN Celeron® J6412 series

Fanless panel PCs with Intel® J6412 for precise process control

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Features

- 10.1″ ~ 21.5″ Industrial Panel PCs
- Powerful Intel® Celeron® J6412 quad-core processor
- Expandable DDR4 SO-DIMM up to 16G
- IP65-certified front panel for protection against dust and splash water
- Ultra-flat 48 mm housing for space-saving integration

TOUCAN Celeron® J6412 Series – High-Performance Multi-Touch Panel PCs for Industry

The brand new TOUCAN Celeron® J6412 series delivers outstanding performance for demanding industrial applications thanks to the powerful Intel® Celeron® J6412 processor and the integrated Intel® HD graphics chipset. With flexible clocking, it enables smooth display of multimedia content – ideal for use in production lines, logistics or mechanical engineering.

Robust, ultra-flat design for industrial use
The panel PCs, specially designed for industrial environments, impress with an ultra-flat 48 mm housing, which not only saves space but also enables easy integration into existing systems. The IP65-certified display front provides reliable protection against dust and water, while the projected, capacitive multi-touch screen guarantees precise and user-friendly operation.

Integrated multimedia features for interactive applications
The integrated two-megapixel webcam supports interactive and communicative applications so that real-time communication and visual presentations run smoothly. This makes the series the ideal solution for modern industrial environments where multitasking and multimedia integration are becoming increasingly important.

With the TOUCAN Celeron® J6412 series, you can take your industrial processes to the next level – powerful, robust and flexibly configurable. Perfect for OEM customers as well as machine and device manufacturers who don't want to compromise on performance and ease of use.

Appearance

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	10.1″	15.6″	18.5″	21.5″
SYSTEM				
CPU	Intel® Elkhart Lake Celeron® J6412 2.4GHz CPU			
Mainboard	F36	F34		
Chipset	Integrated Intel® SoC			
Graphics	Integrated Intel® HD Graphics			
RAM	1x 4GB DDR3L 1333MHz SODIMM up to 8GB	1x 8GB DDR4 MHz SODIMM up to 16GB		
Storage	1x M.2 SSD (2230) 128GB			
TPM	TPM 2.0 (optional)			
Operating System	Windows 10 IoT Enterprise Linux			
DISPLAY				
Display Size	10.1″ (25.7cm) LCD	15.6″ (39.6cm) LCD	18.5″ (47cm) LCD	21.5″ (54.6cm) LCD
Aspect Ratio	16:10	16:9	16:9	16:9
Resolution	1920 x 1200	1366 x 768	1366 x 768	1920 x 1080
Touchscreen	True flat PCAP multi touch			
Brightness	380 nits	220 nits	220 nits	220 nits
INTERFACE				
Ethernet	1x RJ-45			
USB	2x USB 3.0 (Type A) 1x USB 3.0 (Type C) 4x USB 2.0 (Type A)	2x USB 3.0 (Type A) 1x USB 3.0 (Type C) 2x USB 2.0 (Type A) 1x USB 2.0 (Type C)		
COM	3x RJ-48 (Powered RS-232)	2x DB-9 (Powered RS-232)		
Video	1x Mini DisplayPort			
Camera	2MP Front webcamera			
Audio	2x Speaker 2W	2x Speaker 2W 1x Line-Out (optional)		
Further Options	WLAN b/g/n Bluetooth 4.0 3-track MSR	WLAN b/g/n, Bluetooth 4.0 3-track MSR Intelligent IC card reader RFID 2D scanner Microphone input		
ENVIRONMENTAL				
Chassis	Ultra-flat housing			
Cooling	Fanless			
Power Adapter	External DC adapter 65W/19V, 6.3A			
Operating Temperature	0° ~ 35°C			
Storage Temperature	-20° ~ 60°C			
Humidity	20 ~ 85%, non-condensing			
Dimensions (W x H x D)	262 x 38 x 170mm	396 x 48 x 245mm	464 x 48 x 284mm	536 x 48 x 328mm
Weight	1.5kg	4.5kg	6.8kg	8kg
Mounting	VESA 75 x 75			
IP Rating	Front IP65			
Certifications	CE Mark, FCC Class A, LVD			

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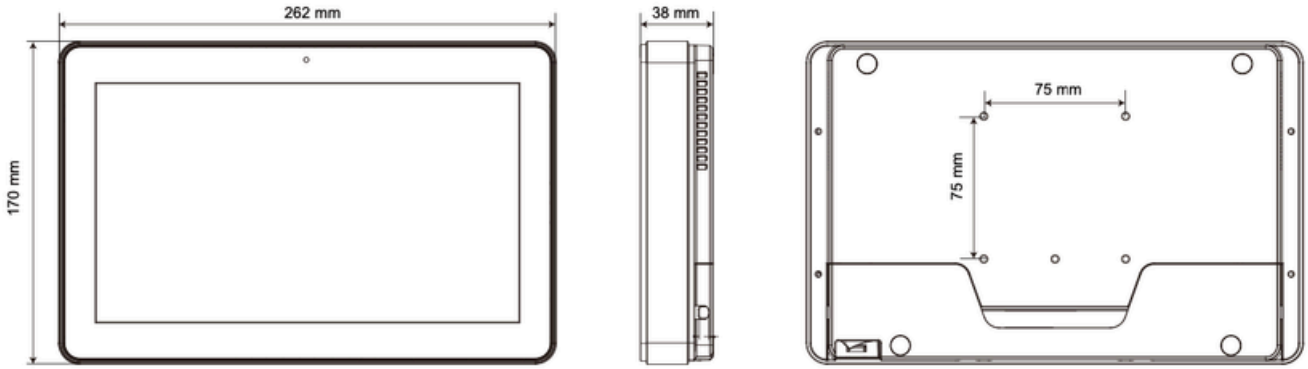
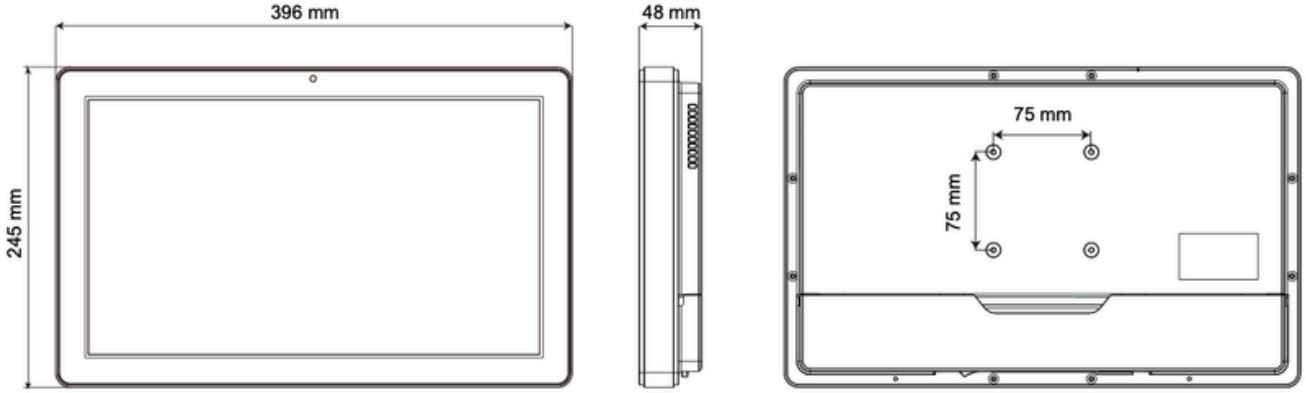
Technical drawing (mm) - 10.1"



Technical drawing (mm) - 15.6"



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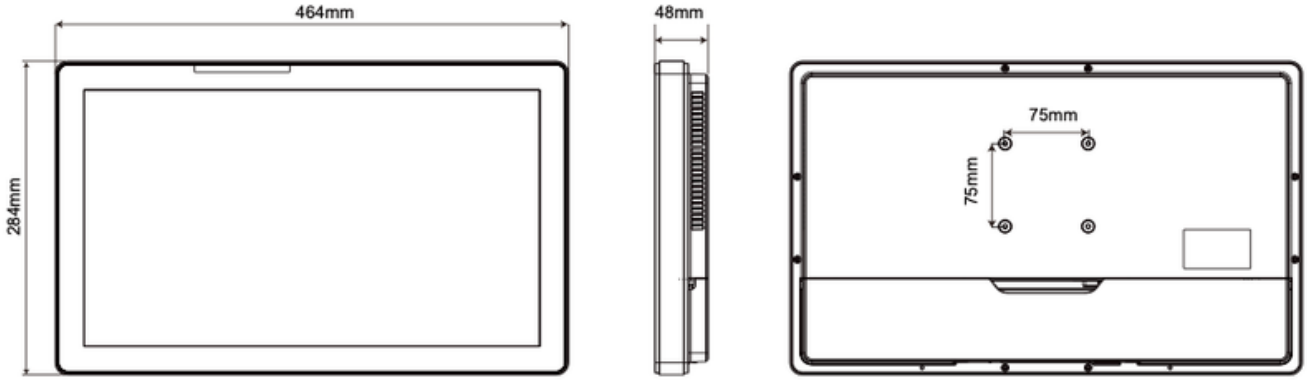
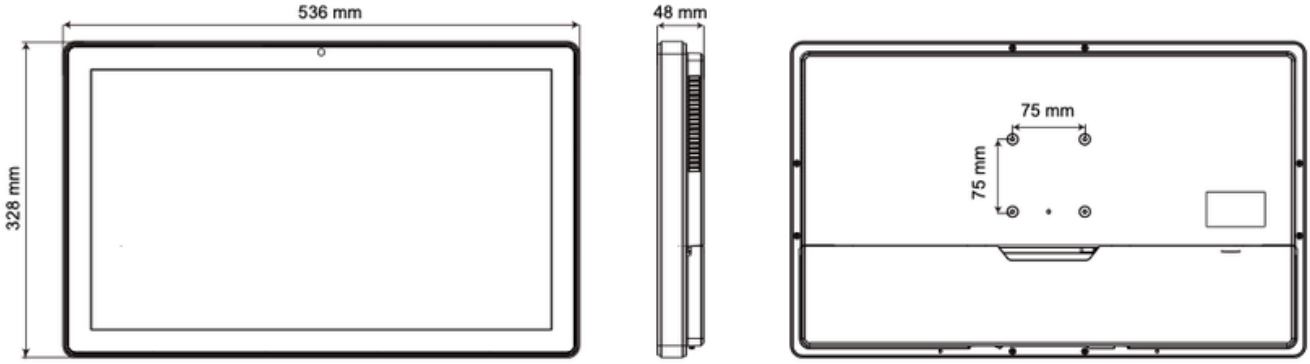
Technical drawing (mm) - 18.5"



Technical drawing (mm) - 21.5"