

# FlatClient ECO AML/ADN

## Industrial Panel PC



### All-in-one Panel PC for Visualization and Control on Machines, Devices and Plants

- Robust design with metal housing and tempered front lens
- Anti-glare and anti-fingerprint PCAP multitouch provides excellent readability and operability
- Display sizes from 10.1" to 23.8" with WXGA/Full-HD resolution for brilliant visualization
- Flexible compute performance with Intel® N-series, Intel® Core™ i3 N-Series and Intel Atom® X7000 Series
- Ready for application software or integrated web panel functionality

	FEATURE	FLATCLIENT ECO ADN	FLATCLIENT ECO AML
DISPLAY	SIZE/RESOLUTION  BRIGHTNESS VIEWING ANGLE BACKLIGHT	10.1", 12.1": 1280x800 15.6", 18.5", 21.5", 23.8": 1920x1080 See table below for more details See table below H170°/V170° or better (see table below) Life time ≥ 50.000 h	
TOUCH	TOUCHSCREEN  FRONT LENS	Projected capacitive touch (PCAP); 10-finger multitouch Resistive touch** Tempered glass, anti-fingerprint, anti-glare, edge protected	
PROCESSOR / MEMORY / STORAGE	PROCESSOR  RAM STORAGE	Intel® N97 (4x3,6 GHz, 12W) Intel® Core™ i3-N305 (8x3,8GHz, 15W)	Intel Atom® x7211RE (2x3,2GHz, 6W) Intel Atom® x7433RE (4x3,4GHz, 9W) Intel Atom® x7835RE (8x3,6GHz, 12W)
INTERFACES	STANDARD INTERFACES  OPTIONAL INTERFACES* CONTROLS POWER IN	2x 2.5 GbE 2x USB 3.2 Gen 2 (Type A Connector) 1x USB 3.2 Gen 2 (Type C Connector) 1x USB 2.0 (Type A Connector) 2x DP RS232, Audio Line-out, Speaker out (2W), WiFi 6, Bluetooth, RFID PWR switch, PWR LED, State LED (part of IO shield) 24V DC (14-32V DC)	
SOFTWARE SUPPORT	OPERATING SYSTEM WEB PANEL	Win10 IoT Enterprise, Win 11 IoT Enterprise, Linux (Debian), KontronOS** QIWI***	
MECHANICAL	HOUSING MOUNTING COOLING	Metal housing, powder coated (VESA) or zinc plated (panel mount) Panel mount (built-in), VESA 75/100 (stand-alone) Fanless, passive cooling	
ENVIRONMENTAL	OPERATING TEMPERATURE STORAGE TEMPERATURE PROTECTION CLASS HUMIDITY ALTITUDE SHOCK VIBRATION MTBF	0 °C to +50 °C -20°C to +70 °C Front: IP65, rear IP20 10 %-90 % @ 39 °C, non condensing Up to 3.000m (10.000 ft) 15 G 11 ms duration (half sine; ACC. TO EN 60068-2-27) 10-500 Hz: 1G/3 axis (ACC. TO EN 60068-2-6) >50.000h	
APPROVALS	CERTIFICATIONS	CE, UL, CB	

\*Configuration Option

\*\*Hardened and secure Linux®-based KontronOS operating system/on request

\*\*\*QIWI-Toolkit: For web panel operation

## Display Information

DISPLAY SIZE	RESOLUTION	FORMAT	BRIGHTNESS	DIMENSIONS	VIEWING ANGLE	COLORS	WEIGHT
10.1"	1280x800	16:10	500cd	276 x 195 x 65	H170 ° / V170 °	16.2 million	~ 3,7 kg
12.1"	1280x800, WXGA	16:10	500cd	315 x 228 x 65	H178 ° / V178 °	16.7 million	~ 4,7 kg
15.6"	1920x1080, Full HD	16:9	450cd	399 x 260 x 74	H178 ° / V178°	16.7 million	~ 6,5 kg
21.5"	1920x1080, Full HD	16:9	300cd	533 x 339 x 74	H178 ° / V178 °	16.7 million	~ 10,5 kg
23.8"	1920x1080, Full HD	16:9	250cd	591 x 361 x 69	H178 ° / V178 °	16.7 million	~ 11,8 kg

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