

7", 12", 15" Touchscreen HMI

For demanding HMI applications or large projects within traditional industrial or process industry, where complex operating screens filled with objects are required, this operator panel steps up and delivers with mid-range performance hardware that is finely tuned for KVB HMI solutions.



AKI Series

Specifications	AKI-CDA (Standard)	AKI-CDB (Performance)	AKI-CDC (Premium)
Processor	400 Mhz ARM9	Intel Atom 1.1 Ghz	Intel Core i
Expansion	USB	USB	USB, mini-PCle
OS	Windows CE 6	Windows CE 6	Windows 7 (standard or embedded)
Memory Expansion	SD Card	SD Card	Via USB
Fanless	Yes	Yes	No
RAM	128Mb	1Gb	2Gb or more
LAN	1x 100 Mbit	1x100 Mbit, 1xGbit	2xGbit
HDD Expansion	No	No	Yes
Application Memory	80 Mb	1.4 Gb or more	8Gb - 64 Gb
Audio Output	No	Yes	No
Vector-based Graphics	No	No	Yes
Shadow/Opacity	No	No	Yes
PDF Viewer	No	Basic	Yes
Web Browser	No	Basic	Yes



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With a robust IP65 lightweight aluminum construction, this is a reliable operator panel which meets environmental requirements. Built-in quality through design, components and state-of-the-art production facilities.

AKI CDB Specifications

Electrical and Mechanical Specifications	AKI-CDB-MOD-07T	AKI-CDB-MOD-12T	AKI-CDB-MOD-15T
Hardware			
Display	TFT-LCD. 800 x 480 pixels, 262k colors. LED backlight	TFT-LCD. 1280 X 800 WXGA, 262k colors. LED backlight	TFT-LCD. 1280 X 800 WXGA, 262k colors. LED backlight
Screen Size / Active Display, W x H	7" / 152.4 x 91.44 mm	12.1" / 261.12 x 163.2 mm	15.4" / 331.2 x 207.0 mm
Front / Rear Seal	IP 65 / IP 20		
Touch Screen Material	Polyester on glass, resistive. Overlay: Autofex EBA 180L	Polyester on glass, resistive. Overlay: Autotex F157 or F207	
Reverse Side Material	Powder-coated aluminum		
Processor / RAM	Intel® Atom		
Real Time Clock	Yes (on chip)		
Power Consumption at Rated Voltage	14 W	22 W	24 W
Fuse	3.15A slow		
Power Supply	+24 V DC (18 - 32V DC). CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supply must conform with the requirements for class II power supplies.		
Operating Temperature	-10 °C to +50 °C		
Storage Temperature	-20 °C to +70 °C		
Relative Operating Humidity	5% - 85% non-condensed		
Certificates and Approvals			
CE Approvals	Noise tested according to EN61000-6-4 emission and EN61000-6-2 immunity.		
UL, cUL Approvals (when product or packing is marked)	UL 508		
Communication			
Serial Ports	COM1, COM3: serial Ports for RS232. COM2, COM4: serial Ports for RS422/485		
Ethernet	1 x 10/100/1000 Mbit/s and 1 x 10/100 Mbit/s. Shielded RJ45.		
USB	3 x USB Host 2.0, max output current 500 mA		
Field Buses (expansion modules)	1 x Extension Module Slot for Fieldbus (Optional)		
Dimensions			
Front Panel, (W x H x D)	204 x 143 x 50 mm	340 x 242,2 x 57mm	410 x 286 x 61mm
Cut Out Dimensions	189 x 128 mm	324 x 226 mm	394 x 270 mm
Mounting Depth	43 mm (143 mm including clearance)	50 mm (150 mm including clearance)	54 mm (154 mm including clearance)
Weight	0.9 kg	2.5 kg	3.6 kg