KOLLMORGEN ®

Because Motion Matters™

12", 15", 21" Touchscreen HMI

Ideal for medium to large scale HMI applications that require more power or add-on functionality such as video. Kollmorgen high-performance terminals give you a full, open and expandable HMI, with KVB runtime software, in a robust industrial PC hardware with high connectivity.

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-PCIe**
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**

UL LISTED CE RoHS 2002/95/EC

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Industrial class quality components and engineering design set in a robust IP65 lightweight aluminum construction, make this a reliable operator panel which meets global environmental requirements. Long availability of components ensures your applications' life time, and features such as Diagnostic monitor and Unit health status mean you can plan service on demand and preemptive maintenance without disrupting your production schedule.

AKI CDC Specifications

Electrical and Mechanical Specifications	AKI-CDC-MOD-12T	AKI-CDC-MOD-15T	AKI-CDC-MOD-21T
Hardware			
Display	TFT-LCD. 1280 X 800 WXGA, 16mio. colors. LED backlight	TFT-LCD. 1280 X 800 WXGA, 16mio. colors. LED backlight	TFT-LCD. 1920 X 1080 WXGA, 16mio colors. LED backlight
Screen Size / Active Display, W x H	12.1" / 261.12 x 163.2 mm	15.4" / 331.2 x 207.0 mm	21.5" / 6.64 x 268.11 mm
Front / Rear Seal	IP 65 / IP 20		
Touch Screen Material	Polyester on glass, resistive. Overlay: Autotex F157 or F207		
Reverse Side Material	Powder-coated aluminum		
Processor / RAM	Intel® Celeron®		
Real Time Clock	Yes (on chip)		
Power Consumption at Rated Voltage	107 W	114 W	125 W
Fuse	10A slow		
Power Supply	+24 V DC (18 - 32V DC 140W). 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	0 °C to +50 °C		
Storage Temperature	-20 °C to +70 °C		
Relative Operating Humidity	<85% non-condensed		
Certificates and Approvals			
CE Approvals	EMC Directive 2004/108/EC 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	2 x 10/100/1000 Base-T (shielded RJ 45)		
USB	4 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)	340 x 242,2 x 79mm	410 x 286 x 83mm	556 x 347 x 87mm
Cut Out Dimensions	324 x 226 mm	394 x 270 mm	539 x 331 mm
Mounting Depth	72 mm (172 mm including clearance)	76 mm (176 mm including clearance)	79 mm (179 mm including clearance)
Weight	4.2 kg	5.4 kg	8.1 kg