KOLLMORGEN ®

Because Motion Matters™

Kollmorgen's Panel Programmable Automation Controller

The Panel Programmable Automation Controller (Panel PAC) offers supreme computing performance at low power consumption.

The integrated innovative cooling concept realizes a passive and fanless cooling for highest processor performance up to Intel® Core™ Duo processor technology. This allows critical and highly complex realtime applications to run on one computer almost twice the performance. The Panel PAC is ideal for running real time control and visualization simultaneously whereas previously these applications had to be run on two or more dedicated systems.

Hi-Performance Panel Automation Controller

- High performance with embedded multi-core processor technology up to Intel® Core™ Duo processors

- Ideal for running real time control and visualization simultaneously on one system or high-end rugged computing applications

- Fanless cooling at maximum processor performance

- Scaleable display size: 15" and 17"

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With a variety of interface options the Panel PAC easily adapts to customer specific requirements. The Panel PAC series systems are COM-based systems, compact, high performance human machine interfaces for tough industrial demands. Optimal shock, vibration and temperature resistance, as well as resistance against environments with increased electromagnetic interferene are standard.

Technical Data	AKC-PNC-D1-224-15N-00-000	AKC-PNC-D1-224-17N-00-000
Display	15" TFT	17" TFT
Resolution	1024 × 768	1280 × 1024
Brightness	250cd/m²	250cd/m²
Touch Screen	Resistive analog	Resistive analog
Weight	CA. 8.9 kg	CA. 10.8 kg
Dimensions (H × W × D)	354 × 450 × 163 mm	399 x 461 x 170.5 mm
Processor	Intel® Core™ 2 Duo 1.86 GHz	
RAM	2 GB	
Compact Flash	4 GB	
NVRAM	128 k	
I/O Standard	5x USB (1x front, 4x rear side), 1x LAN 10/100, 1x LAN 100/1000, 2x RS232, 1x DVI-I	
Free Slots	2x PCI	
Internal Drives	Optional 1x Compact Flash, 2x SATA HDD	
Power Supply	24 VDC	
Cooling	Fanless	
EMC	US:FCC47 CFR PART15; Class A level CE:EN61000-6-2; EN55022/A (CISPR22)	
Certifications	CE, FCC, cULus	
Protection Class	IP65 front (NEMA 250 Type 12 and 13)	
Altitude	Operating: 10000 ft (3.048m); Storage: 15000 ft (4.622m)	
Shock DIN EN 60068-2-27	Operating: 15 g 11 ms duration / Storage: 30G, 11ms duration (half-sinus)	
Vibration DIN EN 60068-2-6	Operating: 10-500 Hz: 1G/3 axis / Storage: 10-500 Hz: 2G/3 axis	
Temperature / Humidity	Operating: 0°C to +50° / 20 to 85% non condensing Storage: -20°C to +60° / 5 to 95% non condensing	
MTBF	> 40000 h (excluding the Backlight Tube)	
Verified OS	Windows XPe	
RoHS compliant	Yes	

UL LISTED   CE   ISO International Organization for Standardization   RoHS 2002/95/EC