



**AMKAMAC controller A5  
smartPanel IP69K.**

For the most extreme conditions.

**AMK**

The image shows a close-up of the AMKAMAC A5 smartPanel. The panel is dark with a large, bright screen displaying a graphical user interface. A high-pressure water spray is directed at the screen from the right, demonstrating its resistance to high-pressure cleaning. The AMK logo is visible in the top right corner of the panel's frame. The background is a gradient of blue and grey.

**AMK**

## **AMKAMAC A5 smartPanel in the highest protection class.**

The AMKAMAC A5 smartPanel is a compact machine controller. For the most extreme ambient conditions and highest requirements the AMKAMAC A5 smartPanel is now also available with an IP65/IP69K front panel.

- Suitable for IP69K installation
- Suitable for high-pressure cleaning – even with hot water
- Resistant to dust and aggressive disinfection agents
- In accordance with hygiene standard DIN EN 1672-2
- Multitouch, capacitive touch screen PCT (Projected Capacitive Touch)
- Flush glass front

### **Controlling Moving Displaying**

The powerful machine controller for the demanding machine:

- Real-time Linux
- AIPEX PRO with CoDeSys
- Motion Control technology functions
  - Virtual leading axis
  - Electronic cams
  - Print-mark control
  - Winder functions
  - NC motion
- Visualization with Qt
- Web visualization
- Remote maintenance and diagnostics
- Commissioning function

## Technical data

				
Types	A5D-M00-15P	A5D-MC0-15P	A5D-M0E-15P	A5D-MCE-15P
Protection class front/other	IP65/IP69K/IP20			
Touch display	15" color TFT, diagonal: 38.1 cm, XGA 1024x768			
Processor	ATOM with 1.1 GHz			
RAM	512 MByte			
Flash memory	512 MByte			
Non-volatile memory	128 MByte			
Ethernet	1 x 10/100Mbits/s	2 x 10/100Mbits/s	1 x 10/100Mbits/s	2 x 10/100Mbits/s
Fieldbus master	EtherCAT, ACC (CAN)			
Fieldbus slave, optional	-	EtherCAT slave Ethernet/IP slave ProfiNet RT Profibus DP V0	-	EtherCAT slave Ethernet/IP slave ProfiNet RT Profibus DP V0
I/O	-	-	8 digital inputs 24V, 30 µs, floating 2 digital measuring inputs 24V, 180 ns, floating 4 digital outputs, 24V, 500 mA, floating 2 digital outputs 24V, 500 mA, floating with time stamp 2 analog inputs ±10V with 10V reference voltage output 1 square wave pulse input	
USB	Host and client			
Programming	IEC 61131-3, CoDeSys, optional PLCopen			
Performance	200,000 instructions/ms			
Visualization	Web visu: integrated, Qt: optional			
Ambient temperature	0 - 50°C			
Supply	24VDC, max. 16W	24VDC, max. 19W	24VDC, max. 18W	24VDC, max. 21W
Dimensions WxHxD	410x310x84 mm			
Weight	4.5 kg			

## Fieldbuses and interfaces

- High accuracy synchronization of a large number of axes using only one controller
- Cross-communication in real-time over several levels synchronized with high accuracy
- EtherCAT master and slave (option)
- Data exchange with other programs via OPC server, integration in ERP system
- USB connection
- Multifunctional I/O
- Real-time Linux



## Applications

- Packaging industry
- Food industry
- Medical technology
- Beverage industry
- Machine tools
- Woodworking
- Stoneworking

ADVANTAGES

- Easy to clean the machine
- For harsh production environments
- Operation with gloves
- Fanless
- No UPS required
- No rotating components

## Control your Motion.



- **AMKAMAC**  
controllers
- **AMKASYN**  
servo drives
- **DYNASYN**  
servo motors
- **AMKASMART**  
distributed  
drive technology
- **SPINDASYN**  
hollow-shaft motors
- **AMKAVERT**  
frequency inverters

# AMK

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