PanKonix® Series - HMI Panel PC

Control/Gateway/Display
All-in-One Industrial Panel PC

Key Features

- Hybrid PLC and PC-based motion control delivers low TCO, easy integration, and high extendibility
- Supports 125µs EtherCAT control cycle, up to 128 axes motion control and APS function library
- Supports Modbus, CANopen automation protocols covering over 90% of PLC drivers
- Data logger service for automated production data transcription
- Supports instant device push notifications for rapid troubleshooting
- Optimized cloud service with OPCUA, MQTT, and RESTful API for IoT applications
- Integrated software for HMI vector graphic customization and extended functionality
- AUO panel provides outstanding visual quality and satisfying user experience

Introduction

The PanKonix series combines high compatibility, high performance, and stylish design in a control/gateway/display all-in-one HMI touchscreen computer.

The PanKonix series includes a high-performance man-machine touch panel and object-oriented iFACE Designer HMI visualization software using the tag system while offering a rich graphical element library to enhance HMI design.

PanKonix can control sensor devices, PLCs and IO modules through protocols such as Modbus RTU, Modbus TCP/IP, and data acquisition for operational technology sites. With integrated SuperCAT, PanKonix is the perfect solution for the automation industry where motion controllers are used.

The PanKonix series supports OPCUA, MQTT and Restful API, among others, and can be connected to various databases, file servers and cloud services.

Ordering Information

Standard (non-Open Frame)

- **PKX-STC2-KL-10**
  10.1" Intel® Core™ i3-7100U (Pure Panel PC)
  10.1" Intel® Core™ i3-7100U with iFACE HMI
  10.1" Intel® Core™ i3-7100U with SuperCAT

- **PKX-STC2-KL-15**
  15.6" Intel® Core™ i5-7300U (Pure Panel PC)
  15.6" Intel® Core™ i5-7300U with iFACE HMI
  15.6" Intel® Core™ i5-7300U with SuperCAT

- **PKX-STC2-KL-21**
  21.5" Intel® Core™ i5-7300U (Pure Panel PC)
  21.5" Intel® Core™ i5-7300U with iFACE HMI
  21.5" Intel® Core™ i5-7300U with SuperCAT

Open Frame

- **PKX-SP2-KL-10**
  10.1" Intel® Core™ i3-7100U (Pure Panel PC)
  10.1" Intel® Core™ i3-7100U with iFACE HMI
  10.1" Intel® Core™ i3-7100U with SuperCAT

- **PKX-SP2-KL-15**
  15.6" Intel® Core™ i5-7300U (Pure Panel PC)
  15.6" Intel® Core™ i5-7300U with iFACE HMI
  15.6" Intel® Core™ i5-7300U with SuperCAT

- **PKX-SP2-KL-21**
  21.5" Intel® Core™ i5-7300U (Pure Panel PC)
  21.5" Intel® Core™ i5-7300U with iFACE HMI
  21.5" Intel® Core™ i5-7300U with SuperCAT

Specifications

Model Name	PKX-STC2-KL-10	PKX-STC2-KL-15	PKX-STC2-KL-21
System			
Processor	Intel® Core™ i3-7100U	Intel® Core™ i5-7300U	
Memory	4GB/8GB DDR3L		
Storage	64GB SSD		
Display			
Size	10.1"	15.6"	21.5"
Resolution	1280 x 800	1920 x 1080	
Aspect Ratio	16:9		
Brightness	400 nits (w/o touch)		
Touchscreen	10-point, PCAP, anti-fingerprint coating		
I/O			
Ethernet	2 x GbE LAN, RJ45		
Serial Port	2 x COM ports, RS-232/422/485		
USB Port	1 x USB 2.0 Type-A, 1 x USB 3.0 Type-A		
Expansion	1 x Mini PCIe card with PCIe and USB interface		
Video	1 x DP		
Audio	1 x audio port (line-out)		
HMI Software			
PLC List	Beckhoff, BACnet, Delta, Hitachi, KEYENCE, KOYO, Mitsubishi, Omron, Panasonic, Siemens, Toshiba, Yamatake, YASKAWA, Yokogawa, and others		
Vector Graphic Library	Button, Indicator, Numerical, Action Button, Static Text, Bar, Meter, Message Display, List, Table, Slider, Trend, and others		
Trend Chart	Up to 32 curves		
Multi-Language	Supports 16 languages		
Alarm	Alarm notification dialogs, message push		
Data Log Backup	Export to txt, csv or PDF		
Macro	LUA syntax for programming		
Security	IEC 62443 Cybersecurity		
Networking	VNC, VPN, FTP		
Protocol	RESTful API, MQTT, OPCUA, Modbus RTU, Modbus TCP/IP		
Environmental			
Operating Temp.	-10°C to 50°C (SSD)		
Storage Temp.	-20°C to 60°C		
Humidity	10% to 80% @ 40°C (non-condensing)		
Vibration	Operating: 1G random 5 to 500Hz		
Shock	Operating: 20G/11ms		
EMC/Safety Compliance	EMI: IEC/EN 6100-3-2, IEC/EN 61000-3-3, EN6100-6-4, EN 55032 EMS: EN 55035, EN 61000-6-2 EMC: CE, FCC Class B, IEC 60601-1-2:2014/EN60601-1-2:2015, UNECE R10, EN 50121-3-2 Safety: Compliant with 60601-1/61010-1/62369-1 *PKX-SP2-KL & PKX-SP2-AL have passed pre-compliance testing of EMI, EMS, EMC, and Safety		
Power Input	9-36V DC input		

Mouser Electronics

Authorized Distributor

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