

APPC 1247T Controller

12.1" 4:3 Control Panel Computer



Main Features

- Compliant with industrial IEC61131-3 programming languages (LD/FBD/SFC/IL/ST/CFC)
- Support up to 1024 I/O points
- Build-in HMI APIs for human-machine interface
- Support remote monitor, remote control and maintenance
- Support industrial Ethernet Fieldbus protocols (EtherCAT, Ethernet I/P, PROFINET)
- Support industrial Fieldbus protocols (PROFINET, PROFIBUS, DeviceNET) by optional FBI
- Support Multi-Core, Multi-Tasking powered by Intel® Celeron® Dual Core processor

Product Overview

The 12.1" 4:3 XGA fanless Control Panel Computer APPC 1247T comes with industrial motherboard, flush panel design and can have IP65 front for industrial applications. It supports fieldbus communication in automation market with optional PROFIBUS, PROFINET, DeviceNET, EtherCAT, EtherNet/IP, CANopen fieldbus modules. It also meets PLCopen® specifications and allows easy control programming via SoftPLC and SoftMotion tool kit. It also supports JMobile PC runtime to become HMI.

Controller Specifications

| Specification | SoftPLC Controller | SoftMotion Controller |
|----------------------------|---|---|
| Performance Index | P20 | M20 |
| Real-Time | Yes | Yes |
| Software Protocols | EtherCAT, EtherNet/IP, PROFINET | |
| Optional Protocols via FBI | PROFIBUS, DeviceNET, CANopen | |
| IEC61131-3 Language | Ladder Diagram, Function Block Diagram, Instruction List, Structured Text, Sequential Function Chart, Continuous Function Chart | |
| Cycle Time (ms) | 0.5 | 0.5 |
| Max. I/O Points | 1024 | 1024 |
| Max. Axes | No support | 24 |
| Motion Features | No support | GEAR, CAM Function Integrated graphical CAM editor with extensive configuration option |
| HMI (License Options) | JMobile Suite | TargetVisu |

System Specifications

| Technical Data | APPC 1247T | Technical Data | APPC 1247T |
|---|--|-----------------------|---|
| Panel | 12.1", 4:3, XGA 1024 x768 | Expansion | 2 x mini-PCIe (Optional Module refer to Page 45) |
| | Luminance: 500cd/m2 | Power Requirement | 12~30V DC Input |
| | Contrast ratio: 700 | System Enclosure | Plastic front bezel with Metal housing |
| | LCD color: 16.2M | | IP Protection: IP65 front |
| Viewing angle: 80(U), 80(D), 80(L), 80(R) | Panel Mount/Wall Mount/VESA Mount | | |
| Touch screen | 5-wire USB resistive (flush panel type) Touch light transmission: 80% | | Weight: 4Kg |
| Processor | Intel® Celeron® processor J1900 quad core 2GHz | Operating Temperature | Ambient with air flow: -5°C to 60°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14) |
| Main Memory | DDR3L 1600/1333MHz Memory Maximum up to 8GB | Storage Temperature | -20°C to 75°C |

