

APPC 1562TP2E-DC Controller

15" 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 and maximum 64 axis for motion control
- 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® Core™ i5/i3 processor

Product Overview

The 15" 4:3 XGA fanless Control Panel Computer APPC 1562T 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

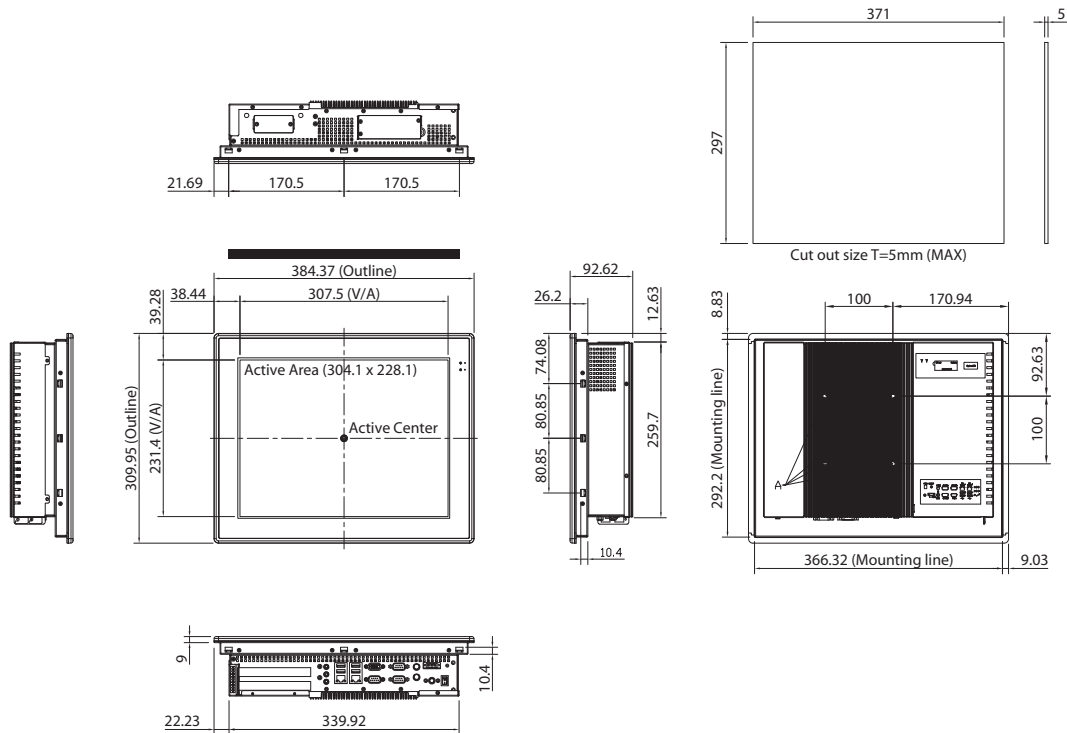
| Specification | SoftPLC Controller | SoftMotion Controller | SoftMotion CNC Controller |
|-----------------------------|---|---|---------------------------|
| Performance Index | P30 | M60 | R60 |
| Real-Time | Yes | Yes | Yes |
| Software Protocols | EtherCAT, EtherNet/IP, PROFINET | | |
| Optional 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 | 0.5 |
| Max. I/O Points | 1024+ | 1024+ | 1024+ |
| Max. Axes | No support | 64 | 64 |
| Control Group | No support | No support | 6 |
| Motion Features | No support | GEAR, CAM Function Integrated graphical CAM editor with extensive configuration option | |
| High-Computing Applications | Yes | Yes | Yes |
| Other Application Software | | | |
| HMI (License Options) | JMobile Suite | TargetVisu | TargetVisu |

System Specifications

| Technical Data | APPC1562TP2E-DC | Technical Data | APPC1562TP2E-DC |
|----------------|---|-------------------|--|
| Panel | 15", 4:3, XGA 1024 x768 | Power Requirement | 12~30V DC Input |
| | Luminance: 400cd/m2 | System Enclosure | Plastic front bezel with Metal housing |
| | Contrast ratio: 700 | | IP Protection: IP66 front |
| | LCD color: 16.2M | | Panel Mount/Wall Mount/VESA Mount |
| | Viewing angle: 60(U), 80(D), 80(L), 80(R) | | Dimension: 384.37 x 309.95 x 92.62 mm |

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| Touch screen | 5-wire USB resistive (flush panel type) Touch light transmission: 80% | System Enclosure | Weight: 7.8Kg |
| Processor | 3th generation Intel Core i5/i3 LGA Socket Type Processor - Core™ i5-3610ME, dual core, 2.7GHz, 3M cache - Core™ i3-3120ME, dual core, 2.47GHz, 3M cache | Operating Temperature | Ambient with air flow: -5°C to 50°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14) |
| Main Memory | DDR3 1333/1066MHz Memory Maximum up to 8GB | Storage Temperature | -20°C to 75°C |
| Storage Memory | Optional 2.5" SSD or HDD | Relative Humidity | 10%~90% relative humidity, non-condensing Limits to be at 90% RH at max 50°C |
| General Interface | 2x GbE LAN (82574L), 1x VGA, 4x USB2.0, 1x PS/2 Keyboard, 1x PS/2 Mouse, 1 x Line-out; 1 x Line-in; 1 x MIC-in | Shock Resistance | 20G, half sine, 11ms, IEC60068-27 |
| Serial Ports | 2x RS232/422/485 w/ 2.5kv isolated; 1x RS232 | Vibration Resistance | Random: 2.2Grms @ 5 ~ 500Hz, IEC60068-2-64 Sinusoidal: 2Grms @ 5 ~ 500Hz, IEC60068-2-64 |
| Control Software | P30: Control RTE / M60 : SoftMotion RTE / R60: SoftMotion CNC (Optional) | EMC | CE Approval: EN55022 & EN55024, FCC Class A |
| Operating System | Win8 32-bit/64-bit, WES8 32-bit/64-bit Win7 32-bit/64-bit, WES732-bit/64-bit | | |
| Expansion | 2x mini-PCIe (Optional Module refer to Page 45) | | |

Dimension Drawing



Ordering Information

* HMI Software License Exclude

| System | Processor | Main Memory | Storage | Software Package | SoftPLC | | HMI (Optional) | | |
|---|-----------|-------------|---------|---|------------|----------------|----------------|------------|---|
| | | | | | SoftMotion | SoftMotion CNC | JMobile | TargetVisu | |
| | | | | | | | | | APPK 1562TP2E-DC P30 HMI Controller A0IA1562T00X2 |
| APPK 1562TP2E-DC M60 HMI Controller A0IA1562T00X2 | | 4G | 32G | M60 Windows WES7 Package (P/N: 88IA1562T01X2) | v | v | - | - | v |
| APPK 1562TP2E-DC R60 HMI Controller A0IA1562T00X2 | | 4G | 32G | R60 Windows Win7ProEmb Package (P/N: 88IA1562T02X2) | v | v | v | - | v |