

APPC 0842T Controller

8" 4:3 Control Panel Computer



Main Features

- Compliant with industrial IEC61131-3 programming languages (LD/FBD/SFC/L/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/IP, PROFINET)
- Support industrial Fieldbus protocols (PROFINET, PROFIBUS, DeviceNET) by optional FBI
- Support Multi-Core, Multi-Tasking powered by Intel® ATOM® Dual Core processor

Product Overview

The 8" 4:3 SVGA control panel computer APPC 0842T comes with flush panel design and can have IP65 front for industrial applications, such as, access control, small automation machineries, forklift and truck etc. 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 tool kit. Using libraries of reusable logic and motion functionality, control schemes can be developed with reduced programming efforts for fast deployment of SoftPLC. It also supports JMobile PC runtime to become HMI.

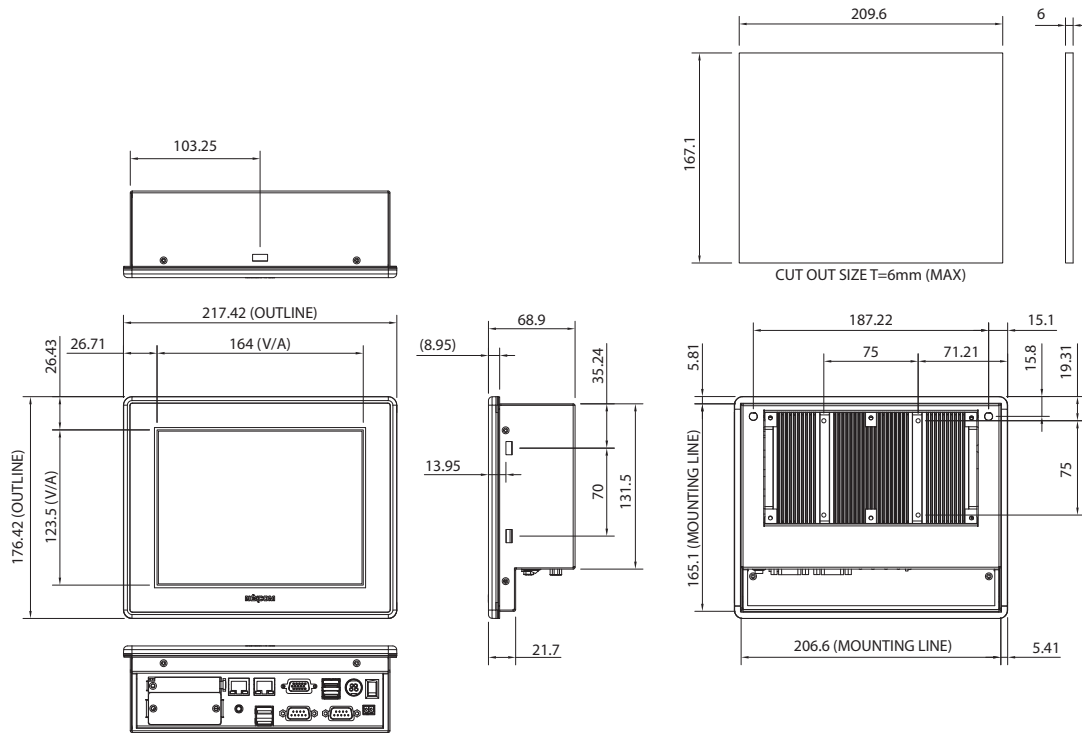
Controller Specifications

Specification	SoftPLC Controller	Specification	SoftPLC Controller
Performance Index	P20	IEC61131-3 Language	Ladder Diagram, Function Block Diagram, Instruction List, Structured Text, Sequential Function Chart, Continuous Function Chart
Real-Time	Yes	Max. I/O Points	1024
Software Protocols	EtherCAT, EtherNet/IP, PROFINET	HMI (License Options)	JMobile Suite
Optional Protocols via FBI	PROFIBUS, DeviceNET, CANopen		
Cycle Time (ms)	0.5		

System Specifications

Technical Data	APPC 0842T	Technical Data	APPC 0842T
Panel	8", 4:3, SVGA 800 x 600	Expansion	2 x mini-PCIe (Optional Module refer to Page 45)
	Luminance: 400cd/m2	Power Requirement	12~30V DC Input
	Contrast ratio: 500	System Enclosure	Plastic front bezel with Metal housing
	LCD color: 262K		IP Protection: IP65 front
Touch screen	Viewing angle: 50(U), 70(D), 70(L), 70(R)	Operating Temperature	Ambient with air flow: -5°C to 50°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
	5-wire USB resistive (flush panel type)	Storage Temperature	-20°C to 75°C
Processor	Intel® Atom™ processor E3826 Dual Core 1.46GHz	Relative Humidity	10%~90% relative humidity, non-condensing
Main Memory	DDR3L 1600/1333MHz Memory Maximum up to 8GB	Shock Resistance	Limits to be at 90% RH at max 50°C
Storage Memory	Optional 2.5" SSD or HDD	Vibration Resistance	Random: 2Grms @ 5~500Hz, IEC60068-2-64
Persistent Memory	Optional 1Mbit NVRAM via NISKNVRAM module		Sinusoidal: 2Grms @ 5~500Hz, IEC60068-2-64
General Interface	2 x GbE LAN (i210IT), 1 x VGA, 3 x USB 2.0, 1 x USB 3.0, 1 x Line-out	EMC	CE Approval: EN55022 & EN55024 FCC Class A
Serial Ports	2 x RS232/422/485		
Control Software	P20: Control RTE		
Operating System	Win8 32-bit/64-bit, WES8 32-bit/64-bit Win7 32-bit/64-bit, WES732-bit/64-bit, WEC7, Linux Kernel version 3.8.0		

Dimension Drawing



Ordering Information

* HMI Software License Exclude

System	Processor	Main Memory	Storage	Software Package	SoftPLC		HMI (Optional)		
					SoftMotion		JMobile		TargetVisu
					SoftMotion CNC				
APPC 0842T P20 HMI Controller A0IA0842T00X2	Atom E3826	4G	32G	♦ P20 Windows WES7 Package (P/N: 88IA0842T00X2)	v	-	-	-	-
APPC 0840T HMI Starter Kit 10IA0840T03X0		2G	32G	♦ Built-in WES7 Package with JMobile PC Runtime, ♦ JMobile Studio, Control RTE, ACRONIS License	v	-	-	-	-
APPC 0840T Bare-bone System 10IA0840T00X0		2G	Option	♦ Support ♦ Win8 32-bit/64-bit, WES8 32-bit/64-bit ♦ Win7 32-bit/64-bit, WES7 32-bit/64-bit ♦ Linux Kernel version 3.8.0	-	-	-	-	-
APPC 0840T-4G Bare-bone System 10IA0840T01X0		4G	Option	♦ Support ♦ Win8 32-bit/64-bit, WES8 32-bit/64-bit ♦ Win7 32-bit/64-bit, WES7 32-bit/64-bit ♦ Linux Kernel version 3.8.0	-	-	-	-	-
System	Optional Power Adapter								
Power Adapter	60W 12V/5A w/ Mini DIN 4pin w/o power cord (P/N: 7400060029X00)								