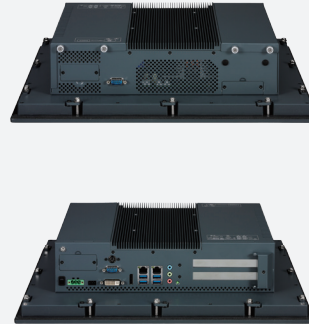


# IPPC A1772TFE2-DC Controller

17" 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
- 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™ i7/i5/i3 processor

## Product Overview

The 17" 4:3 SXGA fanless Control Panel Computer IPPC A1772TF comes with Fan, industrial motherboard, flush panel design and can have IP66 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

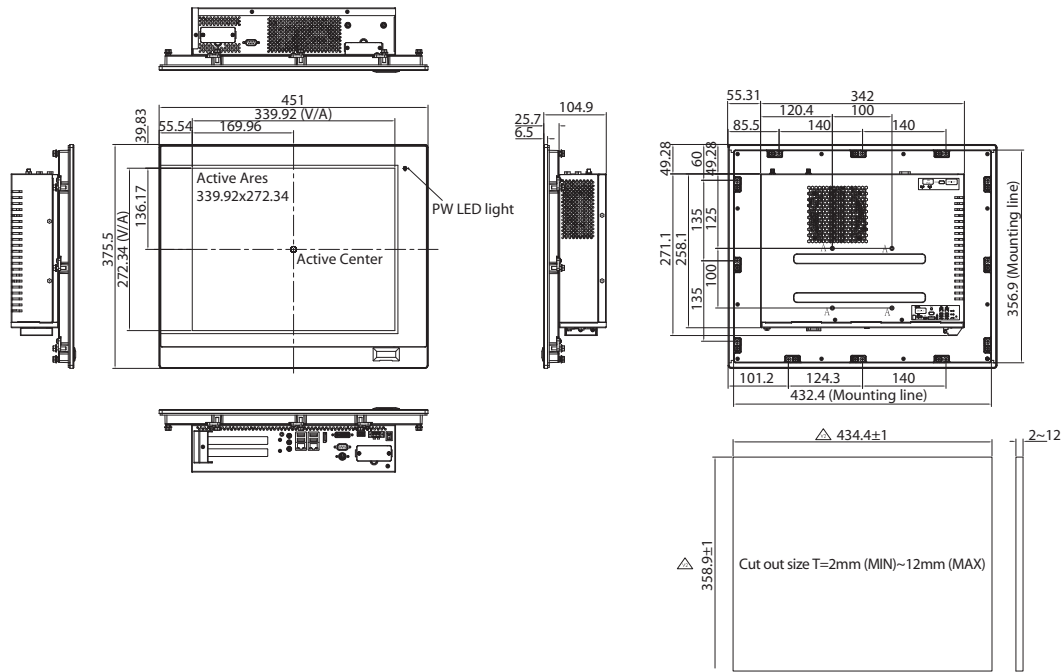
Specification	SoftMotion Controller	SoftMotion CNC Controller
Performance Index	M60	R60
Real-Time	Yes	Yes
Software Protocols	EtherCAT, EtherNet/IP, PROFINET	
Optional Protocols via FBI	PROFIBUS, DeviceNET, CANopen	
IEC61131-3 Language	Ladder Diagram, Function Block Diagram, Instruction List, Structured Text, Sequential Function Chart, Continuous Function Chart	
Cycle Time (ms)	0.5	0.5
Max. I/O Points	1024+	1024+
Max. Axes	64	64
Control Group	No support	6
Motion Features	GEAR, CAM Function Integrated graphical CAM editor with extensive configuration option	
High-Computing Applications	Yes	Yes
Other Application Software		
HMI (License Options)	TargetVisu	TargetVisu

## System Specifications

Technical Data	IPPC A1772TFE2-DC	Technical Data	IPPC A1772TFE2-DC
Panel	17", 4:3, SXGA 1280 x 1024	Control Software	M60 : SoftMotion RTE/R60: SoftMotion CNC (Optional)
	Luminance: 350cd/m2	Operating System	Win8 32-bit/64-bit, WES8 32-bit/64-bit Win7 32-bit/64-bit, WES732-bit/64-bit
	Contrast ratio: 1000	Expansion	2x mini-PCIe (Optional Module refer to Page 45)
	LCD color: 16.7M	Power Requirement	12~30V DC Input
	Viewing angle: 80(U), 80(D), 85(L), 85(R)	System Enclosure	Aluminum front bezel with Metal housing (FAN Optional)

Technical Data	IPPC A1772TFE2-DC	Technical Data	IPPC A1772TFE2-DC
Touch screen	5-wire USB resistive (flush panel type) Touch light transmission: 87%	System Enclosure	IP Protection: IP66 front Panel Mount/Wall Mount/VESA Mount Dimension: 451 x 375.5 x 104.9 mm Weight: 9 Kg
Processor	3th generation Intel Core i7/i5/i3 LGA Socket Type Processor - Core™ i7-4770TE, quad core, 2.3GHz, 8M cache - Core™ i7-4785T, quad core, 2.2GHz, 8M cache - Core™ i5-4570TE, dual core, 2.7GHz, 4M cache - Core™ i5-4590T, quad core, 2.6GHz, 4M cache - Core™ i3-4340TE, dual core, 2.6GHz, 4M cache - Core™ i3-4350T, dual core, 3.1GHz, 4M cache	Operating Temperature	Ambient with air flow: -20°C to 50°C (according to IEC60068-2-1, IEC60068-2-14)
		Storage Temperature	-20°C to 75°C
Main Memory	DDR3/DDR3L 1600/1333MHz Memory Maximum up to 16GB	Relative Humidity	10%~90% relative humidity, non-condensing Limits to be at 90% RH at max 50°C
Storage Memory	Optional 2.5" SSD or HDD	Shock Resistance	20G, half sine, 11ms, IEC60068-27
General Interface	2x GbE LAN (i210IT), 1 x DVI-I, 1 x DisplayPort, 4x USB3.0, 1x PS/2 Keyboard & Mouse, 1 x Line-out; 1 x Line-in; 1 x MIC-in	Vibration Resistance	Random: 2.2Grms @ 5~500Hz, IEC60068-2-64 Sinusoidal: 2Grms @ 5~500Hz, IEC60068-2-64
Serial Ports	2x RS232/422/485	EMC	CE Approval: EN61000-6-2 & EN61000-6-4, FCC Class A

### Dimension Drawing



### Ordering Information

\* HMI Software License Exclude

System	Processor	Main Memory	Storage	Software Package	SoftPLC		HMI (Optional)		
					SoftMotion	SoftMotion CNC	JMobile	TargetVisu	
IPPC A1772TFE2-DC M60 HMI Controller A0II1772T00X2	Core-i7-4770TE	4G	32G	M60 Windows WES7 Package (P/N: 88II1772T00X2)	v	v	-	-	v
IPPC A1772TFE2-DC R60 HMI Controller A0II1772T00X2		8G	32G	R60 Windows Win7ProEmb Package (P/N: 88II1772T01X2)	v	v	v	-	v
IPPC A1770PE2-DC Bare-bone System 10II1770P00X0	Option	4G	Option	Support • Win8 32-bit/64-bit, WES8 32-bit/64-bit • Win7 32-bit/64-bit, WES732-bit/64-bit	-	-	-	-	-
System	Optional Power Adapter								
Power Adapter	120W 24V/5A w/ 3pin phoenix contact w/o power cord (P/N: 7400120023X00)								