DELTA TAU

Motion Machine PC

Extraordinary Motion Control, Ordinary Hardware

Motion Machine PC delivers the motion control capabilities you need on hardware you already use.

This new controller consists of a Linux- or Windows-based PC running our new Soft Power PMAC kernel. The kernel offers all of the intelligence and capabilities of our latest Power PMAC controller.

With its built-in motion programs, software PLCs and basic I/O support, Motion Machine PC offers complete machine logic control over EtherCAT, MACRO or both networks together.

Features

PROTOCOL SUPPORT CoE

- Basic I/O
- DS402 drives

HARDWARE

- Three display ports (DVI-I, Display Port, HDMI)
- 120Gb solid state drive
- Four 100/1000 Base T Ethernet ports
- Two ports dedicated to Windows/Linux LAN
- Two ports dedicated to Motion Core– i.e. one EtherCAT and one Modbus
- Six USB ports, with two of the ports USB 3.0 capable in i7 version
- Two RS232/422/485 ports
- No fan or internal cabling
- Industrial aluminum casing
- Small form factor 10" × 6" × 2.7", DIN-rail wall mount
- 9 – 36vdc (+24V @3A) (Min 72W) AT/ATX
- CE, UL, CCC, FCC, C-TICK, BSMI certified
- Two Mini PCIe Slots

CPU & Operating System		
	Celeron 847E 2 Logical CPUs 1.10GHz 4Gb RAM	Intel I7-2655LE 4 Logical CPUs 2.2GHz 4Gb RAM
Motion Core LX86 Linux Hosted Operating System	• For lightweight graphic requirements • Slower responses to heavy duty graphic applications • Cannot run Windows in Virtual Machines • Lowest cost	• For heavy duty graphic requirements • Fast responses to graphic applications • May run Windows in Virtual Machines • Higher cost
Motion Core WX86 Windows Hosted Operating System 64-bit or 32-bit	• For lightweight graphic requirements • Slower responses in heavy duty graphic applications • Lower cost	• For heavy duty graphic requirements • Fast responses to graphic applications • Highest cost

CPUs are dedicated for either motion control or the operating system, providing one or two CPUs for each function.