

Operating System Support for PI Motion Controller

Windows Vista, Windows 7, Windows 8

Controller	Platform	PCI driver	USB driver	Low level library	High level library	Terminal program	PIMikroMove	LabVIEW	MATLAB	NanoCapture	Installation package	Additional software
C-164	32-Bit										✓	C-164 Configuration Tool
	64-Bit										✓	C-164 Configuration Tool ¹
C-413	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓		✓	
C-663	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	
C-663.11	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	
C-702	32-Bit				✓	✓	✓	✓	○		✓	
	64-Bit				✓ ¹	✓ ¹	✓ ¹	✓	○ ²		-	
C-843	32-Bit	✓		✓	✓	✓	✓	✓	✓		✓	StateViewer
	64-Bit	✓		✓ ¹	✓	✓ ¹	✓ ¹	✓	✓ ²		✓	StateViewer ¹
C-848	32-Bit				✓	✓	○	✓	○		✓	C880Control, Firmware Simulation
	64-Bit				✓ ¹	✓ ¹	○	✓	○ ²		-	
C-863	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	
C-863.11	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	
C-866	32-Bit		✓	✓	✓	✓	✓	✓	✓		✓	StateViewer
	64-Bit		○	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ²		-	StateViewer ¹
C-867	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	
C-877	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	
C-880	32-Bit				✓	✓	○	✓	✓		✓	C880Control, Firmware Simulation, PIMultiAxisConfig
	64-Bit				✓ ¹	✓ ¹	○	✓	✓ ²		-	
C-884	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓	✓	✓	✓ ²		✓	
C-887	32-Bit		✓		✓	✓	✓	✓	✓		✓	Firmware Simulation, Working space simulation tool
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	Firmware Simulation, Working space simulation tool ¹
D-710	32-Bit		✓								✓	PIOneAdjust
	64-Bit		✓								✓	PIOneAdjust ¹
E-517	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		-	
E-609	32-Bit		✓								✓	E-609 ConfigurationTool
	64-Bit		✓								✓	E-609 ConfigurationTool ¹

Controller	Platform	PCI driver	USB driver	Low level library	High level library	Terminal program	PIMikroMove	LabVIEW	MATLAB	NanoCapture	Installation package	Additional software
E-621 ³	32-Bit		✓		✓	✓	✓	✓	✓		✓	
E-625 ³												
E-665 ³												
E-816 ³												
E-621 ³	64-Bit		✓		✓ ¹	✓ ¹	✓ ¹	✓	✓ ²		-	
E-625 ³												
E-665 ³												
E-816 ³												
E-709	32-Bit		✓		✓	✓	✓	✓	✓	✓	✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²	✓ ¹	✓	
E-710	32-Bit				✓	✓	-	✓	○	✓	✓	PZTControl
	64-Bit				✓	✓ ¹	-	✓	○ ²	✓ ¹	-	
E-712	32-Bit		✓		✓	✓	✓	✓	✓	✓	✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²	✓ ¹	✓	
E-725	32-Bit		✓		✓	✓	✓	✓	✓	✓	✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²	✓ ¹	-	
E-753	32-Bit				✓	✓	✓	✓	✓	✓	✓	
	64-Bit				✓	✓ ¹	✓ ¹	✓	✓ ²	✓ ¹	-	
E-755	32-Bit				✓	✓	✓	✓	○	✓	✓	
	64-Bit				✓	✓ ¹	✓ ¹	✓	○ ²	✓ ¹	-	
E-761	32-Bit	✓			✓	✓	-	✓	○	✓	✓	PZTControl
	64-Bit	✓			✓	✓ ¹	-	✓	○ ²	✓ ¹	-	
E-861	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓ ¹	✓ ¹	✓	✓ ²		✓	
E-870	32-Bit		✓		✓	✓		✓	✓		✓	E870Control
	64-Bit		✓		✓	✓		✓	✓ ²		✓	
E-871	32-Bit		✓		✓	✓	✓	✓	✓		✓	
	64-Bit		✓		✓	✓	✓	✓	✓ ²		✓	
F-206	32-Bit				✓	✓	✓	✓	○		✓	Firmware Simulation, Force Calculation tool
	64-Bit				✓ ¹	✓ ¹	✓ ¹	✓	○ ²		-	
M-8x0	32-Bit				✓	✓	✓	✓	○		✓	Firmware Simulation, Working space simulation tool
	64-Bit				✓ ¹	✓ ¹	✓ ¹	✓	○ ²		-	
Hydra/Pollux	32-Bit				✓	✓	✓	✓	✓		✓	
	64-Bit				✓	✓ ¹	✓ ¹	✓	✓ ²		✓	

✓ Available

✓¹ Available as 32-Bit version. Drivers need to be specially built for the 64-bit platform. Applications like PIMikroMove can also be used as 32-bit version, as well as DLLs like the High Level Library (GCS DLL). Customers who build their own software especially for 64-bit will need native 64-bit libraries. They are welcome to ask for a beta version of those.

✓² MATLAB requires a third party 64bit C++ Compiler. Such compilers are available for free and must be installed by the user. A list of suitable compilers is provided by MathWorks: <http://www.mathworks.com/support/compilers/R2014b/index.html>

○ A beta version is available on request

- Not available

³ E-816 is the interface module built in E-621, E-625 and E-665 and is used for communication with the host-software

Updated: May 2015

Operating System Support for PI Motion Controller

Linux

Controller	Platform	PCI driver	USB driver	Low level library	High level library	Terminal program	PIMikroMove	LabVIEW	MATLAB	NanoCapture	Installation package
C-164	32-Bit										-
C-413	32-Bit		✓		✓	✓	-	✓	○		✓
	64-Bit		✓		✓	✓ ¹	-	✓	○		✓
C-663	32-Bit		○		✓	○	-	✓	○		-
C-663.11	32-Bit		✓		✓	✓	-	✓	○		-
	64-Bit		✓		✓	✓ ¹	-	✓	○		✓
C-843	32-Bit	○		○	-	-	-	-	○		-
C-863	32-Bit		○		✓	○	-	✓	○		-
C-863.11	32-Bit		✓		✓	✓	-	✓	○		-
	64-Bit		✓		✓	✓ ¹	-	✓	○		✓
C-866	32-Bit		○	○	-	-	-	-	-		-
C-867	32-Bit		✓		✓	✓	-	✓	✓		✓
	64-Bit		✓		✓	✓ ¹	-	✓	✓		✓
C-877	32-Bit		✓		✓	✓	-	✓	○		✓
	64-Bit		✓		✓	✓ ¹	-	✓	○		✓
C-884	32-Bit		✓		✓	✓		✓	○		✓
	64-Bit		✓		✓	✓ ¹		✓	○		✓
C-887	32-Bit		✓		✓	✓	-	✓	○		✓
	64-Bit		✓		✓	✓	-	✓	○		✓
D-710	32-Bit		○								○

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Controller	Platform	PCI driver	USB driver	Low level library	High level library	Terminal program	PIMikroMove	LabVIEW	MATLAB	NanoCapture	Installation package
E-517	64-Bit		✓		✓	✓	-	✓	○	-	✓
	32-Bit		✓		✓	✓ ¹	-	✓	○	-	✓
E-609	32-Bit		○								○
E-621 ²	32-Bit		○		✓	○	-	✓	-		-
E-625 ²											
E-665 ²											
E-816 ²											
E-709	32-Bit		✓		✓	✓	-	✓	✓	-	✓
	64-Bit		✓		✓	✓ ¹	-	✓	✓	-	✓
E-710	32-Bit				○	○	-	○	○	-	-
E-712	32-Bit		✓		✓	✓	-	✓	✓	-	✓
	64-Bit		✓		✓	✓ ¹	-	✓	✓	-	✓
E-725	32-Bit		✓		✓	✓	-	✓	✓	-	✓
	64-Bit		✓		✓	✓ ¹	-	✓	✓	-	✓
E-753	32-Bit				✓	✓	-	✓	✓	-	✓
	64-Bit				✓	✓ ¹	-	✓	✓	-	✓
E-755	32-Bit				○	○	-	○	○	-	-
E-761	32-Bit	✓		✓	✓	✓	-	✓	○	✓	✓
E-861	32-Bit		○		○	○	-	○	○		-
E-871	32-Bit		✓		✓	✓		✓	○		✓
	64-Bit		✓		✓	✓ ¹		✓	○		✓
F-206	32-Bit				✓	✓	-	✓	○		✓
M-8x0	32-Bit				✓	✓	-	✓	○		✓
Hydra/Pollux	32-Bit				✓	✓		✓	○		✓
	64-Bit				✓	✓ ¹		✓	○		✓

✓ Available

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