FMod-IPAXESCTRL
Datasheet

With this board, an operator is able to manually control 3 motors (axes) for a positioning system. Each motor is driven with an Ethernet motion control device (like FMod-IPECMOT 48/10). Thanks to the Ethernet the installation costs and time are highly reduced, and the distance between the remote control and the motors can range from some centimeters up to several kilometers.

Each motor is connected to an Ethernet motion control device, and these 3 devices are remotely controlled from an unique FMod-IPAXESCTRL board. The positions of the axes are displayed on a LCD, while the new position goals can be sent moving an XY trackball or pressing buttons on a small keyboard.

Dimensions

76 x 71 x 20 mm

Power supply

DC [7-48V], 1.5W (with LCD, trackball and keyboard) on external power connector,

or Power Over Ethernet [PoE, IEEE 802.3af] on RJ45 connector.

Communication interface

Hardware:	Ethernet 10BaseT [RJ45]
Protocol:	TCP-IP & UDP + command encapsulation
Software:	Web server on board, integrated webpage (Html+Java).

Connection diagram
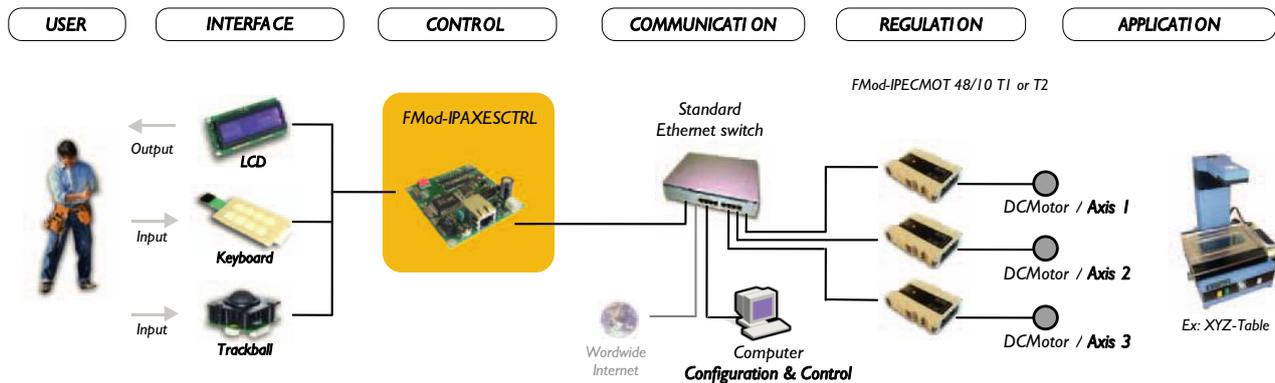
Man-Machine interface (MMI)

Input devices:	**TRACKBALL:** 2 independent axes (quadrature signals).
	The user can use this device to manage 2 axes (X &Y) independently and at the same time.
	KEYBOARD: 1 to 16 keys matrix keypad (2x4 or 4x4).
	Each key of the keyboard can be configured for a specific function.
	(Axis+/-, Zoom, Activate, Go/Save position, Stop/Free axes,...)
Output devices:	**LCD:** 4 lines x 20 characters as display.
	LED: (4x) to display MODE and STATUS of the board.

Where to find more information

Please download the user's manual from the following address: http://www.fiveco.ch/motor-controlers-products.html

Developed and made in Switzerland

08062016/2.4 *All specifications may change without any notification.*