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News in Motion

FiveCo Offers World First Ethernet and PoE Motion Control Card

Nov 19, 2004

Lausanne, Switzerland - FiveCo has the first motion control card using an Ethernet bus to communicate data and to supply power at the same time. Thanks to its integrated web server (http), it offers an innovative solution for installation and roll out problems.

The Ethernet communication allows the implementation of several protocols (TCP-IP, http,...) already embedded in every operating system (MS Windows, MacOS, Unix or others).

In addition, the card uses the latest IEEE 802.3af standard, that allows the card to be powered from the Ethernet cable up to 15[W] (card + motor). In order to use the full potential of the card (70W continuous and 150W max) it can also be powered from an external supply.

The embedded RISC processor is programmed with a well experienced 4-quadrants 32 bits PID regulator that refreshes the regulation up to 4KHz. With this solution DC motors (with brushes) can be controlled in position or speed, as well as position with a trapezoidal speed profile.

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Tel: 631.580.1500 - Fax: 631.580.1566