

Mitsubishi Electric extends MELSEC FX3G Compact PLC with Ethernet Embedded CPU

Ratingen, Germany 18th July 2013

Mitsubishi Electric has extended the capability of its MELSEC FX3G Compact PLC with the release of a new Ethernet embedded CPU – the FX3GE. This comes in addition to the standard USB and RS422 communication ports. Further, the new CPU also adds two analogue inputs (0-10V DC or 4-20mA) and an analogue output (0-10V DC or 4-20mA). These new analogue and network features, combined with the power and expandability of the MELSEC FX3G mean the new Compact PLC can meet the needs of a wider range of applications.

Further features of the new MELSEC FX3GE include the ability to set two user keywords for secure PLC access, built in high speed counters and interrupts for system feedback and control, built-in 2-axis positioning capability with dedicated inverter protocol, and a choice of models offering 24 or 40 I/O as standard, expandable to 256 I/O. The FX3GE offers all the power of the FX3G, including large program memory, ample space for data storage, logging or recipes, plus high speed execution to enhance system productivity. The FX3GE can also use all of the expansion modules and special adapters in the MELSEC FX3 range.

With the embedded Ethernet capability, users can take advantage of remote monitoring, maintenance and data sharing with HMIs (Human Machine Interfaces) and higher level systems over high speed 10Base-T/100Base-T communications. This also adds the facility for web based data monitoring as standard, enabling users to read PLC information from any networked device using a standard web browser. The keyword protection prevents unauthorised PLC access. The inclusion of analogue I/O enables the FX3GE to meet user needs for voltage or current inputs without the need for expansion modules, so

reducing overall system costs.

These new features extend the reach of the MELSEC FX3GE into new applications where previously users would have needed to add expansion modules or standardise on a higher base cost PLC. The FX3GE is ideal for food and beverage applications, for example where flow control or level monitoring might be important or where control of pumps is required. The FX3GE could also provide analogue data management for injection moulding machines, smooth production control for wood cutting machines, and meet the needs of label printing machines thanks to the embedded network functionality.

Caption:



The FX3GE is ideal for food and beverage applications, for example where flow control or level monitoring might be important or where control of pumps is required.

About Mitsubishi Electric:

With 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 117.000 employees the company recorded consolidated group sales of 36,3 billion Euro* in the fiscal year ended March 31, 2012.

Our sales offices, research & development centres and manufacturing plants are located in over 30 countries.

Mitsubishi Electric Europe B.V., Factory Automation European Business Group (FA-EBG) has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of FA-EBG is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

**Exchange rate 109,56 Yen = 1 Euro, Stand 31.3.2012 (Source: Deutsche Bundesbank)*

Further Information:

www.mitsubishi-automation.com

www.mitsubishielectric.com

Mitsubishi Electric Europe B.V.

Factory Automation European Business Group

Monika Torkel

Marketing Communications Coordinator

Gothaer Str. 8

40880 Ratingen, Germany

Tel.: +49 (0)2102 486-2150

Fax: +49 (0)2102 486-7170

Monika.Torkel@meg.mee.com

PR agency:

DMA Europa Ltd.

Mr. Roland Renshaw

Europa Building, Arthur Drive,

Hoo Farm Industrial Estate, Kidderminster,

Worcestershire, UK. DY11 7RA

Tel.: +44 (0)1562 751 436

Fax: +44 (0)1562 748 315

roland@dmaeuropa.com

www.dmaeuropa.com