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Mitsubishi Electric to Launch Over 200 FA Devices Compatible with CC-Link IE Field Network Basic

Helping the scope of e-F@ctory solutions to further advance IoT manufacturing

TOKYO, October 27, 2016 – Mitsubishi Electric Corporation (TOKYO: 6503) announced today that it would sequentially release more than 200 factory automation (FA) devices for the company's CC-Link IE Field Network products beginning October 31. The devices, including programmable controllers, servo amplifiers, human-machine interfaces (HMIs) and inverters, will be compatible with CC-Link IE Field Network Basic, an open field network utilizing 100Mbps general-purpose Ethernet communication to connect controllers and devices. The new lineup will expand the scope of e-F@ctory solutions, which incorporate FA and IT technologies to reduce total costs, from development to production and maintenance. Mitsubishi Electric expects its new FA devices to help users better visualize production site/facility operations, enhance efficiency and advance IoT manufacturing.

Strengths of CC-Link IE Field Network Basic-compatible FA devices

1) Build systems quickly and without special expertise

- Compatible with devices and small-scale equipment that conventionally lack network
- All products inherit the features of CC-Link IE Field Network and batch parameter settings ensure easy network setup without technical knowledge of Ethernet
- Number of linked devices and addresses are set automatically, helping to reduce system construction time by 40 percent*

* Based on Mitsubishi Electric engineering tool's parameter setting comparison between CC-Link and CC-Link IE Field Network Basic.

2) Highly flexible network construction

- General-purpose Ethernet helps to save costs by using a single network wiring from high-order IT systems to production-floor devices
- Wide range of FA devices compatible with CC-Link IE Field Network Basic

Background

Production environments of all sizes are being upgraded through the utilization of IT and the Internet of Things (IoT) to meet increasingly diversified and sophisticated needs in manufacturing. Specific advancements include enhanced productivity through the visualization of factory operations, traceability and preventive maintenance to avoid equipment failure. Mitsubishi Electric's new FA devices, all compatible with CC-Link IE Field Network Basic, will help to further these advancements by expanding the scope of e-F@ctory solutions.

New Product Lineup

<table>
<tr><th>Master / Slave</th><th>Product</th><th>Model</th><th>Key Specifications</th><th>Release Plan</th></tr>
<tr><td rowspan="3">Master</td><td>MELSEC Q/L Series
Built-in Ethernet CPUs</td><td>Q**UDVCPU
Q**UDPVCPU
L**CPU(-P/-BT/-PBT)</td><td>Program capacity:
20K–260K steps</td><td rowspan="3">October 2016</td></tr>
<tr><td>MELSEC iQ-R Series
Built-in Ethernet CPUs</td><td>R**CPU/R**ENCPU</td><td>Program capacity:
40K–1200K steps</td></tr>
<tr><td>MELSEC iQ-F Series
Built-in Ethernet CPUs</td><td>FX5U-****/***,
FX5UC-****/***</td><td>Program capacity:
64K steps</td></tr>
<tr><td rowspan="8">Slave</td><td rowspan="2">FREQROL-A800 Series
Inverters</td><td>FR-A820-**K-E*</td><td>Voltage: 200V class
Capacity: 0.4kW–90kW</td><td rowspan="6">October 2016</td></tr>
<tr><td>FR-A84*-**K-E*</td><td>Voltage: 400V class
Capacity: 0.4kW–500kW</td></tr>
<tr><td rowspan="2">FREQROL-F800 Series
Inverters</td><td>FR-F820-**K-E*</td><td>Voltage: 200V class
Capacity: 0.75kW–110kW</td></tr>
<tr><td>FR-F84*-**K-E*</td><td>Voltage: 400V class
Capacity: 0.75kW–560kW</td></tr>
<tr><td rowspan="2">GOT2000 HMI</td><td>GT27**-****</td><td>5.7" to 15"</td></tr>
<tr><td>GT25**-****</td><td>8.4" to 12.1"</td></tr>
<tr><td colspan="2" rowspan="2">FREQROL-E700 Series
Inverters</td><td>Voltage: 200V class
Capacity: 0.1kW–15kW</td><td rowspan="2">To be launched sequentially</td></tr>
<tr><td>Voltage: 400V class
Capacity: 0.4kW–15kW</td></tr>
</table>

	MELFA Industrial Robots	Transportable mass: 2-20kg	
	MELSERVO J4 Servo Amplifiers	Capacity: 0.1kW–22kW	
	MELSERVO JE Servo Amplifiers (Overseas Market Only)	Capacity:0.1kW–3kW	
	GOT SIMPLE Series (Overseas Market Only)	7" and 10"	
	MITSUBISHI CNC M800/M80 Series (CNC Control Modules)	High-speed, high-precision control, Multiaxial and multipath control, Maximum number of controlled axes: 9–12	
	Block-Type Remote I/O Modules	16-point AC input, relay output	
		32-point DC input, output, I/O combined	
	Energy Measuring Unit EcoMonitorLight series	Measurable circuit count : 1 circuit Measurement items : Current, Voltage, Electric power, Electric energy, etc.	
	Energy Measuring Unit EcoMonitorPlus series	(Energy monitoring model) Measurable circuit count : maximum 7 circuits (1P3W, 3P3W and 3P4W) maximum 14 circuits(1P2W) Current, Voltage, Electric power, Electric energy, etc.	
		(Insulation monitoring model) Measurable circuit count : 1 circuit Measurement items : Leak current Io, Leak current for resistance Ior, etc.	
	Electronic Multi-measuring instrument ME96SS series (Overseas Market Only)	Measurable circuit count : 1 circuit Measurement items : Current, Voltage, Electric power, Electric energy, etc.	

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About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) 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, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,394.3 billion yen (US$ 38.8 billion*) in the fiscal year ended March 31, 2016. For more information visit:
http://www.MitsubishiElectric.com

*At an exchange rate of 113 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2016