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Mitsubishi Electric IoT Communication Gateway Wins “Best of the Best” Red Dot Design Award

Mitsubishi Electric earns additional three product awards; fourth straight year to win one or more awards

TOKYO, July 9, 2018 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today that its Mitsubishi Communication Gateway XS-5R/XS-5T, an environment-resistant IoT communication gateway, has been selected as “Best of the Best” in the Product Design category of the Red Dot Design Award. This was Mitsubishi Electric’s first Best of the Best award for international design and the company’s fourth straight year to be presented one or more Red Dot Design Awards.

Three other Mitsubishi Electric products also won international Product Design 2018 awards: the MSZ-AP series room air conditioner, the MLZ-KP/MLZ-RX/MLZ-GX/MLZ-HX unidirectional ceiling-mounted cassette-type air conditioner series, and the Ecodan PUAH-AA series air-to-water heat pump outdoor unit.



Mitsubishi Communication Gateway XS-5R/XS-5T
environment-resistant IoT communication gateway

The Mitsubishi Communication Gateway XS-5R/XS-5T is a gateway device for remote monitoring, failure prediction, integrated management of multiple sites and other IoT solutions. In addition to applications in factories and buildings, it is used for infrastructure-safety and security functions such as remote monitoring of sea and river water levels and failure prediction for solar and wind power generation equipment and facilities.

The following points were rated highly by the judging panel:

1) *Simple design expressing a high level of performance and dependability*

The product has a simple and sturdy form based on powerful square motifs to expression its high-level security performance based on sophisticated encryption technology and dependability for safe connections via the cloud and other such use. Its strong appeal was enhanced by the symbolic treatment and central placement of the brand logo to add an element of tension.

2) *Interface design created from the user's perspective*

The indicator portion protrudes in a prism shape with a triangular cross-section so that operation status can be checked in a variety of installation situations, including mounting on walls (see rendering 1), such as inside a control panel next to other equipment (see rendering 2) or horizontally on a rack (see rendering 3). The displays on the indicator portion are pictograms illuminated by backlighting (see rendering 4) for easy reading from various angles and for intuitive grasping of the operating status even in dark locations where printed characters are not readable.

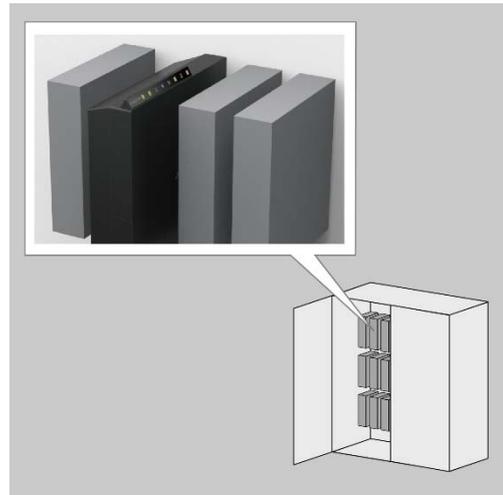
3) *Water-resistant and dust-resistant structure for versatile usage*

A water-resistant and dust-resistant construction rated for IP53* compliance enables use in a variety of environments, including dusty equipment rooms and plants, around exposure to industrial water, and so on. While water-resistant and dust-resistant construction often requires complicated designing, drastic reconsideration of this and other factors resulted in a simple design.

* IP rating for water resistance and dust resistance defined by the International Electrotechnical Commission (IEC). The first digit is the dust-resistance rating and the second digit is the water-resistance rating



Rendering 1: wall-mounted installation



Rendering 2: installation inside control panel next to other equipment



Rendering 3: horizontal mounting on a rack



Rendering 4: Backlit pictogram display

Three Air Conditioning Products Awarded Product Design Awards



MSZ-AP series room air conditioner



MLZ-KP/MLZ-RX/MLZ-GX/MLZ-HX unidirectional ceiling-mounted cassette-type air conditioner series



Ecodan PUHZ-AA series air-to-water heat pump outdoor unit

About Red Dot Design Award

This international design competition is organized by Design Zentrum Nordrhein Westfalen in Germany. Founded in 1955, it is considered to be one of the world's three major design awards, alongside the iF Design Awards and the International Design Excellence Awards (IDEA). Awards are presented in three categories: Product Design, Communication Design, and Design Concept. Product Design covers products commercialized worldwide within the past two years. Entries are judged by nine criteria, including degree of innovation, functionality, formal quality, ergonomics, durability. The 2018 awards attracted more than 6,300 applications from corporations and designers in 59 countries.

Other Recent Red Dot Design Awards in the Product Design Category Received By Mitsubishi Electric

2017	Elevator NEXIEZ-S
2016	CCTV Camera MELOOK Series (NC-7000/NC-7020 fixed cameras and NC-7600/NC-7620 dome cameras)
	Programmable Controller MELSEC iQ-R Series
2015	Room Air Conditioner Kirigamine Zen MSZ-EF VE2 Series
	Destination Oriented Allocation System (Elevator Control Panel)

MSZ, MLZ, MELOOK, MELSEC and MELSEC iQ-R are registered trademarks of Mitsubishi Electric Corporation in Japan and other countries.

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About Mitsubishi Electric Corporation

With nearly 100 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 4,431.1 billion yen (US\$ 41.8 billion*) in the fiscal year ended March 31, 2018. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 106 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2018