Connecting! Visualizing!
For a more seamless sensor control!

iQ Sensor Solution

iQSS
A tool for connecting! Visualizing! For a more seamless sensor control!

Sensors used on the manufacturing floor are becoming more advanced and complex. Managing your sensor configuration tools, and maintaining and starting up your equipment can be costly and hugely time consuming.

Through a collaboration with partner manufacturers, Mitsubishi Electric offers an engineering tool that enables intuitive configuration and maintenance of sensors. This tool provides a solution that enhances the interaction between sensors and PLCs, HMIs and engineering softwares, which effectively reduces the customer’s TCO.*

The solution is iQ Sensor Solution (iQSS).

*iQSS supports all kinds of sensors, from standard type all the way up to full advanced sensors.*
Do you have problems to solve at your production site?

**Sensor setting**
Complex sensors require many setting items, increasing setup and maintenance time.

**Duplicating lines**
When you reorganize your factory space, the parameters for each sensor on your existing lines must be individually set. Creating multiple lines takes time.

**Changing the set-up**
When you manufacture multiple products on a single line, sensor parameters have to be changed every time the product changes. Changing the set-up takes time.

**Replacing sensors**
When sensors fail, they don’t just have to be replaced. It is also necessary to reset the parameters for the new sensor. System recovery takes time.
Enhanced linkups between third party partners sensors and Mitsubishi PLCs, HMIs and engineering software reduces customers' TCO.

**System design**
To manage projects simply, we provide a workspace tree that enables projects to be managed in a single location, and a system configuration chart that depicts the entire system graphically.

**Testing & startup**
Functions are provided that allow monitoring from a single screen based on the system configuration chart so that the causes of problems can be identified quickly. This also shortens the time taken to adjust sections involving multiple devices.

**Programming**
The labels used by PLCs can also be used by HMIs and sensors. This takes all the bother out of label setting. GOT sample screen libraries, sample ladders and function blocks, etc. are supported.

**Operation & maintenance**
To make backups less laborious, batch read/write functions are provided for PLC, HMI and sensor settings.

**iQSS** eliminates the hardships of conventional sensor control.
We bought some new sensors, but they’re from different manufacturers and the configuration methods are all different. Manually entering the same sort of data for every sensor is a real pain...

System startup is easy!

With **iQSS**, a system configuration chart (GX Works2) is automatically generated for iQSS-compatible partner sensors! Settings for each sensor can be performed from your system configuration diagram!

**Easy startup**

**Problem**

Every sensor has to be set individually!
Sensor monitoring is easy!

Problem

Each manufacturer uses a different tool, so when we try to monitor the sensors, we have to open different monitor windows for each type of sensor...

With iQSS, iQSS-compatible partner sensors can be displayed in a single window, allowing comprehensive monitoring!

Sensor statuses can be monitored

Lower maintenance costs!

The status of every sensor can be displayed
Solution

Easy tuning

Problem
The parameter configuration methods and tools are different for each sensor, so configuration is really difficult...

Configuration method 1
Configuration method 2
Configuration method 3
Configuration method 4
Configuration method 5

With iQSS, the ability to make settings for all your dedicated tools through integrated operation saves you time for different brands of sensors in the engineering environment!

Lower production costs!

You can select a sensor icon and configure it using a standard procedure
Settings can be managed collectively
You can import and export settings
I want to assign label names to devices to improve program readability, but remembering which devices were used to store the information for each sensor and then manually entering the label names, it’s so easy to make mistakes...

With **IQSS**, the label name data for sensors can be imported easily, even for different brands! No need to manually enter label names!*

Programming is also easy, using function blocks (FBs), sample ladders and sample screens!

Label names can be applied!

Label names, which are text strings that can be displayed instead of device names, make programming more efficient and help prevent device input errors.

*Easy programming is not supported by Ethernet and CC-Link IE Field Network.
Backup/restore is easy!

Problem

Backing up the sensor parameter settings is a real problem because the different manufacturers all have their own tools.

With **iQSS** (Sensor Information Query System), the settings for iQSS-compatible partner sensors can be backed up and restored using the SD memory card in PLCs!

Lower maintenance costs!

You can select a sensor icon and run backup/restore.
History collection and management is easy using logging!

Problem

How do we manage the histories of sensors with no logging function?

We don’t know what caused the problem.

With iQSS, the sensor data can be stored as PLC logging data. Data management and analysis for sensors without logging functions are also possible!

Lower maintenance costs!

Checking logged data is easy.

Improved traceability.
Dedicated tool startup is easy

Problem

It’s hard to figure out which dedicated tool to launch to change the sensor configuration...

With iQSS, you can start up all of your dedicated tools from your engineering environment!

Lower development costs!

You can select a sensor icon and launch the dedicated tool

Icons can also be linked to respective sensor manuals
iQss

Lets you configure, monitor and set logging for sensors in an engineering environment!

Allows on-site sensor status monitoring, backup/restore and configuration modification

ERP: Enterprise Resource Planning
MES: Manufacturing Execution Systems
Lineup of iQSS supporting products

**AnyWireASLINK**

AnyWireASLINK makes it possible to centrally monitor (visibility) the state of all sensors from the programmable controller, by that improving the operation rate and reducing man-hours. AnyWireASLINK also helps to save space in the machine and control system that uses various sensors.

**CC-Link**

CC-Link is a high-speed and high-reliable deterministic I/O control network which realizes reduced wiring whilst offering multi-vendor compatible products. This open field network is a global standard originating from Japan and Asia.

**CC-Link IE Field**

CC-Link IE Field is an all-round versatile gigabit Ethernet based network integrating controller, I/O control, safety control, and motion control in a flexible wiring topology supporting star, ring, and line configurations.

**Ethernet**

Many devices are connectable via widely available Ethernet.
Vision system

Machine vision system is used to identify size, shape, color and position of objects for outer-appearance inspection and positioning control.

Fuse verification

Fuse colors and prints on the fuses are identified to verify their installed positions.

Cognex Corporation

COGNEX products are connectable to Mitsubishi programmable controllers without any programming.

Setup to the application is also simple, just in 4 steps.

By supporting Ethernet as standard, multiple vision systems are connectable via a hub to the programmable controller.

EZ-100 is the processor-equipped all-in-one vision system at 300 mm × 30 mm × 60 mm

Applicable applications include high-resolution image identification, positioning, outer-appearance inspection, gauging and measurement, 1-D and 2-D barcode reading, and OCR/OCV.

Operation histories can be checked and saved without stopping the system.

In-Sight EZ-700, EZ-100 series
In-Sight 7000, Micro, 5000 series

*Easy programming (labels) is not supported.
Laser displacement sensors

A laser displacement sensor obtains object height and positional information for height adjustment in micro units.

Surface variations of hard disk media are checked to remove any defects before proceeding to the assembly line.

Panasonic Industrial Devices SUNX Co., Ltd

Industry’s leading-edge performance
(resolution: 0.01 μm, linearity: ±0.02% F.S.)

A wide lineup of sensor heads
8 types of measurement center distance
(8/10/15/30/50/85/110/350 mm)

Controller connectable to 2 sensor heads
* Capable of outputting computation results of two sensor heads.

Sensor controller HL-C21(E) series
Sensor head HL-C2(E) series

Panasonic Industrial Devices SUNX Co., Ltd
URL: http://panasonic.net/id/pidx/global Support line: +81-568-33-7861

OPTEX FA CO., LTD.

The control unit can be directly installed onto the programmable controller base unit, offering the connection to OPTEX FA displacement sensors. Complex communication setting is no longer required.

Measured values are acquired, processed, analyzed and output, all at the control unit side, eliminating the need of the CPU side programs.

“Sensor head + UQ1” reduces TCO to 1/3 compared to equivalent competitor products.

Control unit is equipped with storage memory
Amplifier for displacement sensor communication available (connectable to 2 heads)*

* Future support

Control unit UQ1 series
Sensor head CD3 series (high accuracy type, measurement range: 30±5/85±20/150±40/350±100/500±200/2000±500 mm), CD33 series (compact type, measurement range: 30±4/50±10/85±20/120±60/250±150 mm)

OPTEX FA CO., LTD.
URL: http://www.optex-fa.com/ E-mail: faovs@optex-fa.com
Fiber sensors

A fiber-optic sensor identifies objects in hostile environments including high temperature, evacuated atmosphere, and areas with chemicals.

The fiber-optic sensor detects miniature objects (0402) that pass through the sensing area. Beams from ultra-thin fibers fully enter or get blocked in presence/absence of microchips.

Fiber-optic amplifier and fiber-optic head are available

Amplifiers are directly connectable to AnyWireASLINK network

Sensing level is continuously monitored

The amplifier operates in time sharing with sensors, without interfering their operations

ASLINKAMP (fiber type)
B289SB-01AF series (main unit, sub units)
AFT (fiber head) series (M3, M4)
Connectable to versatile sensor amplifiers (for fiber optic, laser, and pressure sensors) via the CC-Link communication unit (SC-GU3-01)

Thanks to high optical coupling efficiency, even ultra-small diameter fibers can obtain the large amount of light

149 types of fiber-optic heads support many inspection applications

*Affordable tough fiber optic cable with superior specification (bending radius R4, bending tolerance 10 million times)

CC-Link supporting communication unit UC1-CL11
High-speed digital fiber amplifier D3RF series

CC-Link supporting communication unit UC1-CL11
High-speed digital fiber amplifier D3RF series
Laser sensors

Laser beams are used to identify an object in a long distance or in a crowded area to a degree which was not possible with LED beams.

Positioning of small pierced plates

Directional laser beam, which passes through holes and gets blocked at plate areas, is used for positioning.

Panasonic Industrial Devices SUNX Co., Ltd

- Connectable to versatile sensor amplifiers (for fiber optic, laser, and pressure sensors) via the CC-Link communication unit (SC-GU3-01)
- Industry’s smallest laser sensor head can be installed in confined spaces, which were too small for conventional sensors (Industry’s smallest as of December 2014)
- All sensor head models comply with the laser class 1 (JIS/IEC/FDA)

CC-Link communication unit SC-GU3-01
Digital laser amplifier LS-500 series, LS-403
Digital laser head LS-H series

Panasonic Industrial Devices SUNX Co., Ltd
URL: http://panasonic.net/id/pidxx/global Support line: +81-568-33-7861
Pressure sensors

A pressure sensor measures gas pressures and identifies main and absorption pressures in a system.

The pressure sensor is useful in controlling compressed air supplied to the system. When supplied air decreases, the pressure also decreases to a level that turns ON the sensor.

Panasonic Industrial Devices SUNX Co., Ltd

Panasonic

- Connectable to versatile sensor amplifiers (for fiber optic, laser, and pressure sensors) via the CC-Link communication unit (SC-GU3-01)
- DPS-400 series are the only sensor amplifiers, which are capable of transmitting displayed pressure values (digital values) via CC-Link network
- Compact sensor heads are installable from above by using a hexagonal wrench
  *Heads can be installed close to each other as they are placed from above.
- Three rated pressure ranges
  (-100.0k Pa...+100.0k Pa/0...+1.000M Pa/0...-101.0k Pa)
- Amplifier integrated sensors have joined the lineup
- Three rated pressure ranges (three models)
  (0...100k Pa, 0...-100...100k Pa)
- Two sensor output types (1-point type, 2-point type)
- Directly connected to AnyWireASLINK network
- Sensing level is continuously monitored

Anywire Corporation

AnyWire

CC-Link

Digital pressure sensor controller DPS-400 series
Digital pressure sensor head DPH-100 series

Anywire Corporation

ASLINKSENSOR (pressure type)
B284SB-0C31K3P30

URL: http://www.anywire.jp/ Support line: +81-75-952-8077 Open: Weekdays 9:00 am to 6:00 pm (UTC+9)
Photoelectric sensors

A photoelectric sensor identifies objects using visible light beams.

Objects on a conveyor are easily identified by using photoelectric sensors, which tend to be widely available at affordable prices.

Anywire Corporation
AnyWire

Independent amplifiers for photoelectric sensor heads, amplifier integrated sensors
(For details of the photoelectric sensor heads, please contact Anywire Corporation.)

Amplifiers and amplifier integrated sensors are directly connected to AnyWireASLINK network

Sensing level is continuously monitored

The amplifier operates in time sharing with sensors, without interfering their operations

ASLINKAMP (photoelectric type)
B289SB-01AP series (main unit, sub units)

ASLINKSENSOR (photoelectric type)
B283SB series (transmission type, recurrent reflection type, spread reflection type)

Anywire Corporation
URL: http://www.anywire.jp/  Support line: +81-75-952-8077  Open: Weekdays 9:00 am to 6:00 pm (UTC+9)
Proximity sensors

A proximity sensor is a robust sensor, which detects objects in metal or other materials without any physical contact.

Detecting metal pieces for suction

A proximity sensor can detect metal pieces in hostile environment. One example is door holding (suction) in a car assembly line.

Anywire Corporation

AnyWire

- Independent amplifiers for proximity sensor heads, amplifier integrated sensors (M8, M12, M18, and M30)
  
  (For details of the proximity sensor head, please contact Anywire Corporation.)

- Amplifiers and amplifier integrated sensors are directly connected to AnyWireASLINK network

- Sensing level is continuously monitored

- The amplifier operates in time sharing with sensors, without interfering their operations

- Amplifier integrated type has the IP67-supporting structure with oil-proof cables

Anywire Corporation

URL: http://www.anywire.jp/ Support line: +81-75-952-8077 Open: Weekdays 9:00 am to 6:00 pm (UTC+9)
**Photointerrupters**

A photointerrupter identifies objects using visible light beams. Photointerrupters are compact and installable in confined spaces.

**Anywire Corporation**

**AnyWire**

- Amplifier integrated photointerrupters can be directly connected to AnyWireASLINK network
- Sensing level is continuously monitored

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**B297SB series**

_**ASLINKSENSOR (photointerrupters type)**_

URL: http://www.anywire.jp/  Support line: +81-75-952-8077  Open: Weekdays 9:00 am to 6:00 pm (UTC+9)
Radio-frequency identification (RFID) technology uses wireless communication to identify and control objects attached with RFID tags.

**Mitsubishi Electric Engineering Co., Ltd.**

1-channel RFID interface unit for Omron’s V680 series RFID system (ECL2-V680D1)

- RFID interface units are installable as CC-Link remote device stations for distributed control
- Equipped with test and measurement functions required for startup and maintenance
- RFID interface units enable connections to Omron's V680 series RFID systems (all antennas and RFID tags)
- Function block (FB) library, which simplifies programming, is available

**Balluff Co., Ltd**

RFID processor BIS V-6111-073-C003

- Robust IP65 housing that withstands outdoor installation
- Up to 4 read/write heads can be connected
- Read/write heads for HF and LF bands can be simultaneously used
- Equipped with IO-Link port for further expansions
- Speeds up 128 KB data transmission by up to 8 times

See P.25 for a list of compatible models
## iQSS Configuration Chart

**GX Works2 Engineering environment**

**MELSEC-Q PLC**

**MELSEC-L PLC**

**GOT2000 HMI**

---

**List of compatible models**

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Series/Model</th>
<th>Connection method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vision system</strong></td>
<td>Cognex Corporation</td>
<td>In-Sight EZ-700, EZ-100 series</td>
<td>AnyWire ASLINK</td>
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<tr>
<td></td>
<td></td>
<td>In-Sight 7000, Micro, 5000 series</td>
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<tr>
<td></td>
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<td>* Supports In-Sight firmware version 4.9 and onwards*</td>
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<td></td>
<td></td>
<td>* In-Sight EZ-700 and EZ-100 series are only sold in certain countries and areas.*</td>
<td></td>
</tr>
<tr>
<td><strong>Laser displacement sensors</strong></td>
<td>Panasonic Industrial Devices SUNX Co., Ltd.</td>
<td>Sensor controller HL-C21C(E) series HL-C21C(E) (NPN type), HL-C21C(E)-P (PNP type)</td>
<td>AnyWire ASLINK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sensor head for HL-C2(E) series HL-C201A(E)(-MK), HL-C201A(E)-SP2(M), HL-C201A(E)-SP3(M), HL-C203B(E)(-MK), HL-C205B(E)(-MK), HL-C205C(E)(-MK), HL-C211B(E)(-MK), HL-C211C(E)(-MK), HL-C235B(E)(-MK), HL-C235C(E)(-MK), HL-C235CE-W(MK)</td>
<td></td>
</tr>
<tr>
<td><strong>Fiber sensors</strong></td>
<td>Panasonic Industrial Devices SUNX Co., Ltd.</td>
<td>Control unit UQ1 series UQ 1-01 (Dedicated unit for CDS series), UQ 1-02 (Dedicated unit for CD33 series)</td>
<td>AnyWire ASLINK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Digital fiber sensor amplifier FX-300 series FX-301, FX-305</td>
<td>OPTEX FA CO., LTD.</td>
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<tr>
<td></td>
<td></td>
<td>Digital fiber sensor amplifier FX-500 series FX-501, FX-502</td>
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<tr>
<td></td>
<td></td>
<td>CC-Link communication unit UC1-CL11 * Uses separate sensor head</td>
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<tr>
<td></td>
<td></td>
<td>High-speed digital amplifier D3RF series</td>
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<tr>
<td></td>
<td></td>
<td>ASLINKAMP main unit B289S2-014AF-CAM20-V</td>
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<tr>
<td></td>
<td></td>
<td>ASLINKAMP sub units B289S1-014AF-CAS-V</td>
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<tr>
<td></td>
<td></td>
<td>AFT-4 M4 (Radius 30), AFT-1 M3 (Radius R20), AFT-2 M3 (Radius R25), AFT-1-1 M3 (Radius R20, Heat resistance 100°C)</td>
<td></td>
</tr>
</tbody>
</table>

**Connection Method:**
- : Compatible  - : Incompatible

---

*2 Uses separate sensor head

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25
<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Series/Model</th>
<th>Connection method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser sensors</td>
<td>Panasonic Industrial Devices</td>
<td>CC-Link communication unit&lt;sup&gt;2&lt;/sup&gt;</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>SUNX Co., Ltd.</td>
<td>SC-GU3-01</td>
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<tr>
<td></td>
<td></td>
<td>Digital laser amplifier LS series</td>
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<tr>
<td></td>
<td></td>
<td>LS-500 series, LS-403</td>
<td>-</td>
</tr>
<tr>
<td>Pressure sensors</td>
<td>Panasonic Industrial Devices</td>
<td>CC-Link communication unit&lt;sup&gt;2&lt;/sup&gt;</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>SUNX Co., Ltd.</td>
<td>SC-GU3-01</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>Digital pressure sensor DPS-400 series</td>
<td>-</td>
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<tr>
<td>Photoelectric</td>
<td>Anywire Corporation</td>
<td>ASLANKAMP main unit</td>
<td>○</td>
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<tr>
<td>sensors</td>
<td></td>
<td>B289SB-01AP-CAM20</td>
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<tr>
<td></td>
<td></td>
<td>ASLANKAMP sub units</td>
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<td></td>
<td>B289SB-01AP-CAS</td>
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<tr>
<td>Proximity</td>
<td>Anywire Corporation</td>
<td>ASLANKAMP main unit</td>
<td>○</td>
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<tr>
<td>sensors</td>
<td></td>
<td>B289SB-01AK-CAM20</td>
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<tr>
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<td></td>
<td>ASLANKAMP sub units</td>
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<td></td>
<td></td>
<td>B289SB-01AK-CAS</td>
<td>-</td>
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<tr>
<td>RFID</td>
<td>Mitsubishi Electric Engineering</td>
<td>Interface unit</td>
<td>○</td>
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<tr>
<td></td>
<td>Company Ltd.</td>
<td>ECL2-V880D1</td>
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<tr>
<td></td>
<td>OMRON Corporation</td>
<td>Head unit</td>
<td>○</td>
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<tr>
<td></td>
<td></td>
<td>V680 series</td>
<td>-</td>
</tr>
<tr>
<td>Analog units</td>
<td>Panasonic Industrial Devices</td>
<td>CC-Link communication unit&lt;sup&gt;2&lt;/sup&gt;</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>SUNX Co., Ltd.</td>
<td>SC-GU3-01</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>Uses separate analogue output device</td>
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</tr>
</tbody>
</table>

For the applicable products, refer to page 14 to 24.

<sup>1</sup> Used loaded into the I/O slot in a MELSEC-Q series base unit.
<sup>2</sup> Additionally use a cascading connector unit (SC-71), an end unit (SC-GU3-EC), and the computer software (SC-PC1).

Refer to the iQ Sensor Solution Reference Manual (SH-081133ENG) for information on the supported versions of each product.

For each product, refer to the manual for detailed product specifications.
<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Series/Model</th>
<th>Connection method</th>
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<tbody>
<tr>
<td><strong>PLC</strong></td>
<td>Mitsubishi Electric Corporation</td>
<td>MELSEC-Q series</td>
<td>AnyWire ASLINK, CC-Link, CC-Link IE Field Network, Ethernet connection&lt;sup&gt;*&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Q00CPU, Q00UCPU, Q00CPU, Q00UCPU, Q01CPU, Q01UCPU, Q02CPU, Q02HCPU, Q02CPU, Q03UCPU, Q03UDCPU, Q03UDECPU, Q04UDHCPU, Q04UDHCPU, Q06HCPU, Q06UDCPU, Q06UDECPU, Q08UDECPU, Q10HCPU, Q10UDECPU, Q13UDHCPU, Q13UDEHCPU, Q20UDHCPU, Q20UDEHCPU, Q23UDEHCPU, Q25UDEHCPU, Q26UDEHCPU, Q26UDEHCPU, Q100UDEHCPU</td>
<td><em>2</em>3&lt;sup&gt;<em>&lt;/sup&gt; <em>3</em>4&lt;sup&gt;</em>&lt;/sup&gt; &lt;sup&gt;*&lt;/sup&gt;&lt;sup&gt;1&lt;/sup&gt; <em>&lt;sup&gt;</em>&lt;/sup&gt;&lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td></td>
<td></td>
<td>MELSEC-Q series</td>
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<tr>
<td></td>
<td></td>
<td>Q03P5CPU, Q06P5CPU, Q12P5CPU, Q02PHCPU, Q02PHCPU, Q02PHCPU</td>
<td>*&lt;sup&gt;2&lt;/sup&gt; *&lt;sup&gt;3&lt;/sup&gt;</td>
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<td>Q03UDVCP U, Q04UDVCP U, Q05UDVCP U, Q06UDVCP U, Q08UDVCP U, Q10UDVCP U, Q13UDVCP U, Q20UDVCP U, Q26UDVCP U</td>
<td>*&lt;sup&gt;2&lt;/sup&gt; *&lt;sup&gt;3&lt;/sup&gt;</td>
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<tr>
<td></td>
<td></td>
<td>MELSEC-L series</td>
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<tr>
<td></td>
<td></td>
<td>L02CPU, L02CPU-P, L06CPU, L06CPU-P, L26CPU, L26CPU-P</td>
<td>*&lt;sup&gt;2&lt;/sup&gt; *&lt;sup&gt;4&lt;/sup&gt;</td>
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<tr>
<td></td>
<td></td>
<td>MELSEC-L series</td>
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<tr>
<td></td>
<td></td>
<td>L26CPU-BT, L26CPU-BT</td>
<td>*&lt;sup&gt;2&lt;/sup&gt;</td>
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<td></td>
<td></td>
<td>MELSEC-Q series, Master/local module (for CC-Link)</td>
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<tr>
<td></td>
<td></td>
<td>QJ61BT11N</td>
<td>*&lt;sup&gt;2&lt;/sup&gt; *&lt;sup&gt;3&lt;/sup&gt;</td>
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<td>MELSEC-L series, Master/local module (for CC-Link)</td>
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<td>LJ61BT11</td>
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<td></td>
<td>MELSEC-L series, Master/local module (for CC-Link IE Field Network)</td>
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<tr>
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<td>LJ71GF11-T2</td>
<td>*&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
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<td>MELSEC-Q series, Master module (for AnyWireASLINK)</td>
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<td>QJ51AW12AL</td>
<td>*&lt;sup&gt;2&lt;/sup&gt;</td>
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<td>MELSEC-L series, Master module (for AnyWireASLINK)</td>
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<td>MELSEC-F series, Master module (for AnyWireASLINK)</td>
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<td>FX3U-128ASL-M</td>
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<td>CC-Link—AnyWireASLINK Bridge module</td>
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<td>CC-Link IE Field Network—AnyWireASLINK Bridge module</td>
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<td>GOT</td>
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<td>GOT2000 series (GT27, GT25)</td>
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<td>GOT1000 series (GT16, GT15, GT14&lt;sup&gt;7&lt;/sup&gt;)</td>
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<sup>*</sup>1: Used loaded into the I/O slot in a MELSEC-Q series base unit.
<sup>*</sup>2: Requires AnyWireASLINK master unit (sold separately).
<sup>*</sup>3: Back-up/restore function is not supported because SD memory cards are not supported.
<sup>*</sup>4: Requires CC-Link system master local unit (sold separately).
<sup>*</sup>5: Requires CC-Link IE Field Network master local unit (sold separately).
<sup>*</sup>6: Only when the CPU has a built-in Ethernet port (Ethernet module with built-in Ethernet ports do not support the network.)
<sup>*</sup>7: Supplied as sample imaging data, including sequencers, to the system makeup. A dedicated application to monitor and operate iQSS-compatible devices will be available in the future.
<sup>*</sup>8: Use [iQSS Utility] of the dedicated software to enable programmable controllers to monitor and control iQSS supporting devices.
<sup>*</sup>9: GT14 only supports AnyWireASLINK.

Refer to the iQ Sensor Solution Reference Manual (SH-081133ENG) for information on the supported versions of each product.

Refer to the manual for each product for detailed product specifications.
Partner company contact information

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■ Mitsubishi Electric Engineering Co., Ltd.
URL : http://www.mee.co.jp/sales/fa/meefan/english
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