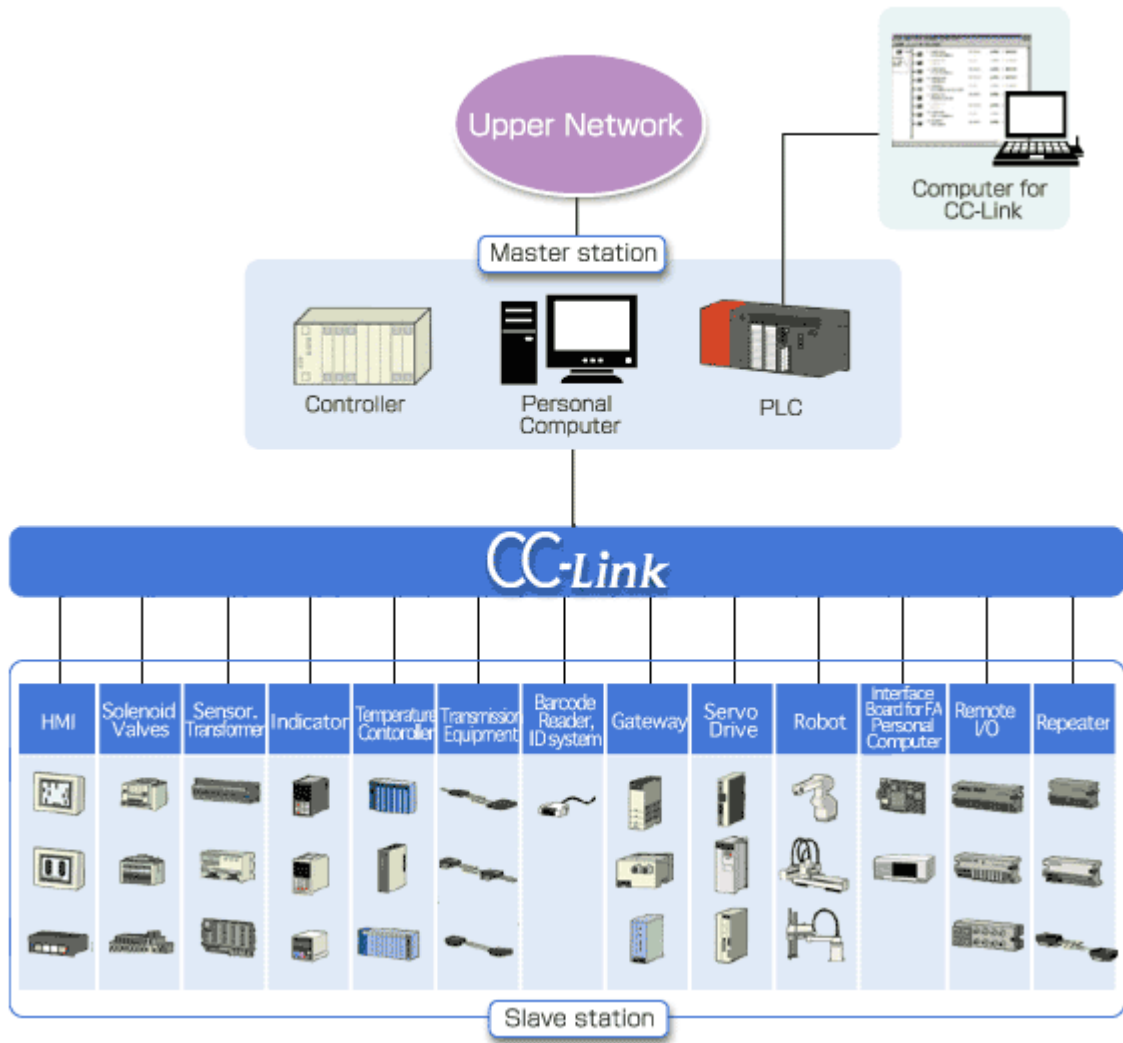CC-Link is a field network system that processes both control and information data at high speed, to provide efficient, integrated factory and process automation. Using CC-Link enables users to reduce the amount of control and power wiring required in the complicated production line. Since users can select the suitable devices from more than 354 field devices supported CC-Link it is easy to expand multi-vendor environment.

As for the communication of speed, . This enables the communication with the sensor input which requires a high speed response and intelligent devices which requires a large amount of data communication.

As one of CC-Links features, RAS* functions such as, stand-by master function, detaching slave station function and auto return function enable recovery from the communication fault and the system debug at start up time. As for test and monitoring function, confirmation of the data link status, hardware test and circuit test are available.

Where is it used and with what products?
CC-Link (Control & Communication Link) is the leading fieldbus network in Japan with strong support from Mitsubishi. It is also gaining rapid popularity in China & Korea. SEMI (Semiconductor Equiptment & Materials International) have approved the CC-Link standard for Sensors and Acutators.

CC-Link & AnyBus
HMS has a variety of products supporting CC-Link. The embedded AnyBus-S Slave Interface, AnyBus Communicator Serial Gateway and AnyBus-X Bridge/Gateway giving you a choice to bridge CC-Link with any of 14 other fieldbus networks. All AnyBus CC-Link products are based on the Conformance certified AnyBus-S Interface.

CC-Link Facts

Network Size:	Up to 354 nodes
Network Length:	Selectable end-to-end network distance varies with speed 156 Kbps 1200m, 625 Kbps 900m, 2.5 Mbps 400m, 5 Mbps 160m and 10 Mbps 100m
Data Rate:	156 Kbps - 10 Mbps
Bus Topology:	Linear (trunkline/dropline); power and signal on the same network cableBus
Addressing:	Broadcast/Polling System
System Feature:	Master Stand-ByDetach Slave Automatic return functions

CC-Link AnyBus Products

Embedded Products
▶ AnyBus-S Slave Interface

Networking Products
▶ AB Commuicator Serial Gateway

Networking Products
▶ AnyBus-X Bridge/Gateway

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