

Key players in industrial communication support CC-Link IE technologies

Analog Devices (ADI), a leading global high-performance analog technology company, has a rich history of solving its customers' toughest challenges and designing breakthrough industrial communication solutions – from the early days of 4 to 20mA and serial fieldbuses to today's Ethernet-enabled protocols for the factory of the future.

Through this evolution, CC-Link has played a vital role solving customers' most complex automation challenges. The next generation CC-Link will advance automation even further by providing a strong foundation for Industry 4.0 applications and enabling the open flow of information from the sensor to the cloud.

ADI supports CC-Link with its robust roadmap of products and is actively investing in new developments for CC-Link supported Ethernet solutions. "We look forward to many years of success partnering with the CC-Link community to enable seamless and secure Ethernet connectivity" said Brendan O'Dowd, General Manager Industrial Automation, when asked about membership and collaboration within the CLPA.

The multi-protocol communication processors from the Sitara series of another leading US semi-conductor manufacturer Texas Instruments (TI) support the CC-Link IE Field Basic protocol of the CC-Link Partner Association (CLPA) and provide industry-compatible solutions. CC-Link IE Field networks bring the benefits of Gigabit data bandwidth and 100-Mbit compatibility to Industrial Ethernet at the field level, i.e. high speed and performance combined with a wide variety of instrument control and management data.

TI offers a CC-Link IE Field Basic master and slave system design package (reference design) for Sitara processors. The network is supported by a software development kit (SDK) for the Linux and RTOS processors AMIC110, AM335x, AM437x and AM57x. This enables CC-Link IE Field Basic-compliant implementation on various platforms which are also individually certifiable.

TI's Industrial Development Kits (IDKs) and Industrial Communications Engines (ICEs) for CC-Link IE Field Basic are independent test, development and evaluation modules used by hardware and software developers for industrial control and communication applications.

Image Captions:

Image 1: The FIDO 5200 chip from Analog Devices is a real-time Ethernet multi-protocol switch (REM) which supports various industrial Ethernet protocols with the help of embedded firmware.



Image 2: The ADIN300 Ethernet switch from Analog Devices is a single-port Gigabit Ethernet transceiver with low power consumption designed for industrial Ethernet applications.



Image 3: TI offers a CC-Link IE Field Basic master and slave system design package (reference design) for Sitara processors.

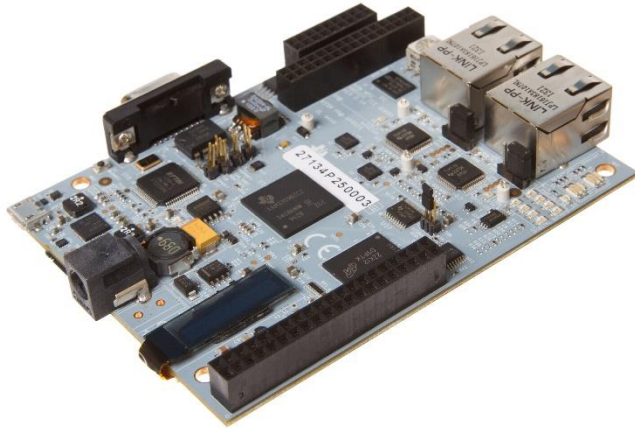


Image 4:



Image 5:



Keywords: CC-Link Partner Association (CLPA), Analog Devices (ADI), Texas Instruments (TI), CC-Link IE, automation, Industry 4.0, Industrial Ethernet, manufacturer, technology

About The CC-Link Partner Association (CLPA)

The CLPA is an international organisation founded in 2000 dedicated to the technical development and promotion of the CC-Link family of open automation networks. The CLPA's key technology is CC-Link IE TSN, the world's first open industrial Ethernet to combine gigabit bandwidth with Time Sensitive Networking (TSN), making it the leading solution for Industry 4.0 applications. Currently the CLPA has over 3,600 member companies worldwide, and more than 1,900 compatible products available from over 300 manufacturers. Over 26 million devices using CLPA technology are in use worldwide.

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