CC-Link Partner Association (CLPA)

Subject: CLPA to showcase TSN technology

Keywords: CC-Link Partner Association, Time Sensitive Networking (TSN), CC-Link IE TSN, open industrial networking, CC-Link IE, industry 4.0., manufacturing, Industrial Internet of Things (IIoT), automation, ProMat Expo, Automate Show

Byline: John Wozniak, P.E., CLPA-Americas Manager
Vernon Hills, IL United States; March 19, 2019

Factory automation networks take a big step forward

Photographs download as 300dpi Jpeg files, click on an image to go to download page

---

CLPA to showcase TSN technology
The CC-Link Partner Association (CLPA) presents its latest CC-Link IE TSN open industrial networking solution which represents a significant step forward in the integration of information technology (IT) and operational technology (OT), one of the key requisites for Industry 4.0.

At various shows throughout 2019 [including ProMat Expo and the Automate show in Chicago, IL], the association will present its latest CC-Link IE TSN open industrial networking solution. One of the key focal areas will be Industry 4.0, the main trend shaping the future of industries worldwide.
This data-driven approach to manufacturing can deliver substantial benefits by empowering businesses to perform in-depth analytics, gain greater insight into their production lines, processes and machines, as well as predicting future outcomes for productivity, quality or equipment maintenance. To succeed, strategies for managing Big Data and implementing the Industrial Internet of Things (IIoT) need a reliable communications network for efficient data transfer.

CLPA to showcase TSN technology

As CLPA's latest open industrial Ethernet technology CC-Link IE TSN addresses some of the most challenging aspects of data sharing, the company is expecting considerable interest for its technology.

As the implementation of Industry 4.0 applications causes a continuous increase in both cyclic and transient network traffic volumes, the next-generation solution from the CLPA combines Gigabit bandwidth with Time Sensitive Networking (TSN) IEE 802.1 standards. In this way, CC-Link IE TSN can offer real-time, deterministic transmission of time-critical process data along with less sensitive traffic such as TCP/IP data. Thanks to the use of TSN and Gigabit bandwidth, both traffic types can co-exist on the same network with no compromises.

More precisely, CC-Link IE TSN ensures seamless and efficient communications between different networks and systems, hence addressing the key Industry 4.0 need for the merger of IT and OT.

The CLPA has long been committed to deliver a futureproof open network architecture that supports interoperability between multi-vendor devices and supports deterministic real-time control. The arrival of CC-Link IE TSN to the family reinforces this commitment.

Timothy Lomax, Director of CLPA-Americas, comments: "The CLPA has long been regarded as a technology leader in the field of open automation networks. We were the first to bring open Gigabit Ethernet, CC-Link IE, to automation. This lead has been further increased by now adding TSN capabilities to CC-Link IE in the form of CC-link IE TSN. We encourage anyone who has questions about TSN and its role in delivering integration and industrial intelligence to contact the CLPA."

■ CC-Link Partner Association

Founded in 2000, the CC-Link Partner Association (CLPA) is an international open network organization 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, the world's first and only open gigabit Ethernet for automation and an ideal solution for Industry 4.0 applications due to its unmatched bandwidth. Its main activities include the development of CC-Link IE and CC-Link technical specifications, conducting of conformance tests, development support, and promotion of the CC-Link technologies. The CLPA boasts more than 3,600 members. CC-Link is the leading open industrial automation network technology in Asia and is becoming increasingly popular in the Americas and Europe.

■ Captions

Image 1: CC-Link IE TSN - Many different industries can benefit from the array of features CC-Link IE TSN offers.

Image 2: The association will present its latest CC-Link IE TSN open industrial networking solution which represents a significant step forward in the integration of information technology (IT) and operational technology (OT).

CLPA to showcase TSN technology

Contact for inquiries

CC-Link Partner Association-Americas

John Wozniak, P.E.

500 Corporate Woods Parkway

Vernon Hills, IL 60061

(847) 478-2647

info@CCLinkAmerica.org

http://am.cc-link.org/en/index.html

 Twitter=#CLPA_News

Facebook=CLPANews

LinkedIn CLPA