

The header banner features the CTI logo on the left, the NAPA logo in the center, and the Fastrak logo on the right. Below the logos, it reads "Master International Distributor". A navigation menu includes links for Home, About us, Products, Dedicated solutions, Distribution, Support, News, and Contact. Below the menu, it states "Product News : 30/03/2017".

## CREATE A SECURE OPC-UA INTERFACE BETWEEN YOUR PLCs AND SCADA/MES/ERP SYSTEMS



Today, your PLCs (CTI 2500 Series®, Simatic 505® or any other PLC brand) may be standalone with no HMI at all, attached to an isolated HMI panel, or even connected to a larger SCADA system.

But often, extracting the data that YOU need is not easy.

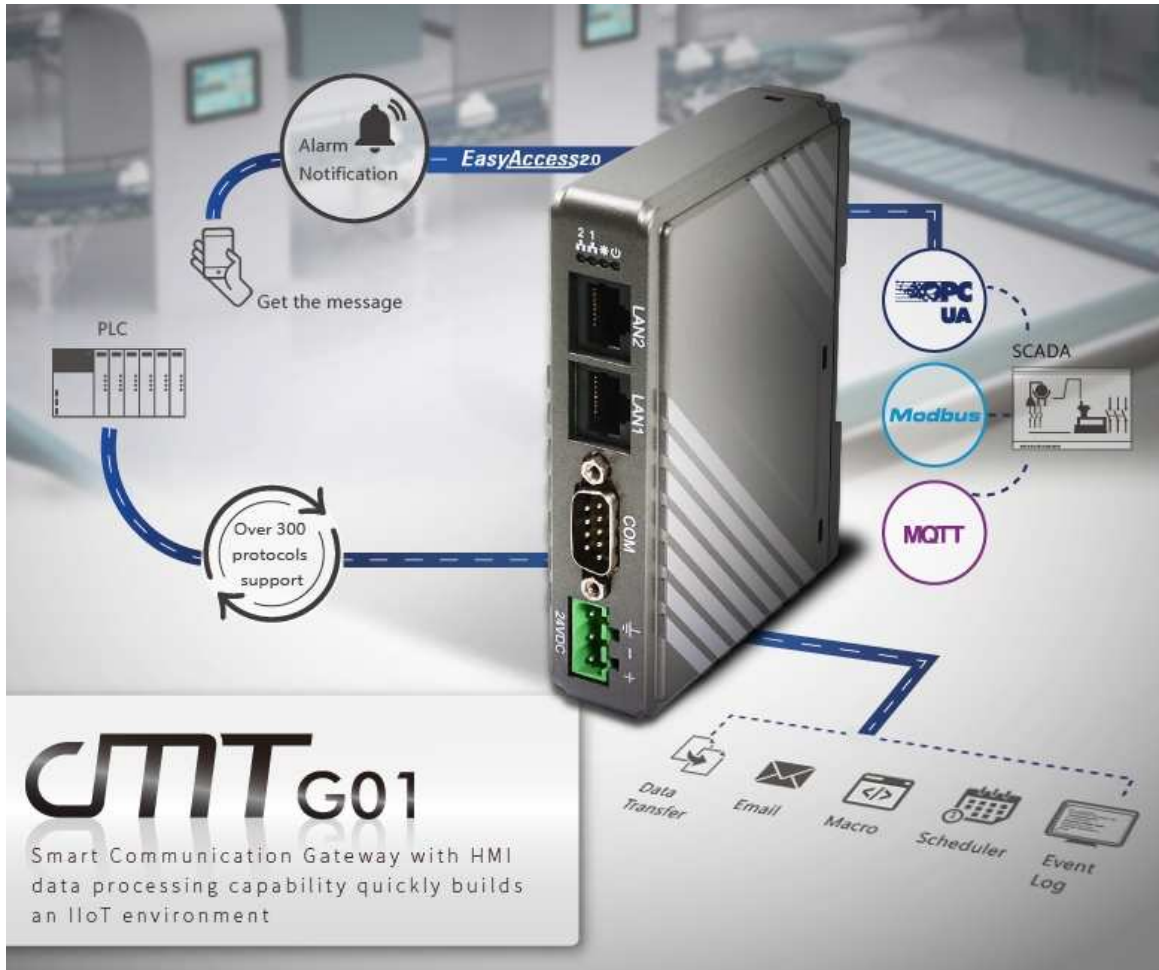
The new trend is called IIoT for Industrial Internet of Things. It uses standardized secure data communication protocol: OPC UA and MQTT.

Now with the new Smart Communication Gateway cMT-G01 from WEINTEK®, and its 300 communication drivers, you can safely connect all your PLCs (CTI 2500 Series®, Simatic 505® or any other PLC brand) to the Internet or to your Intranet with these standard protocols and allow higher levels of your IT infrastructure (SCADA, MES, ERP...) to access and process data from the plant level.

### INTRODUCTION

In an IIoT (Industrial Internet of Things) application, data integration plays a very important role. To achieve data integration, it is essential that the communication between onsite machines and upper layer data management systems (SCADA, MES, ERP...) be seamless. However, in a factory where each controller uses a different communication driver, data integration is extremely difficult.

Weintek IIoT smart communication gateway cMT-G01 is the best solution for data transfer and integration in IIoT. Built in with standard IIoT protocols (MQTT and OPC UA), cMT-G01 fulfills the demand for Protocol Integration of 300 different controller brands, acquires and analyses Data from onsite machines and transmits Secured Data to the upper layer data management systems, and Real-time Event/Alarm Notification to the operator.



## AVANTAGES

### ■ Protocol Integration

cMT-G01 is a unique device which communicates with more than 300 brands of controllers, and transmits all data of controllers to SCADA, MES or ERP system. cMT-G01 integrates multiple devices into one.

■ **Data Acquisition and Analysis**

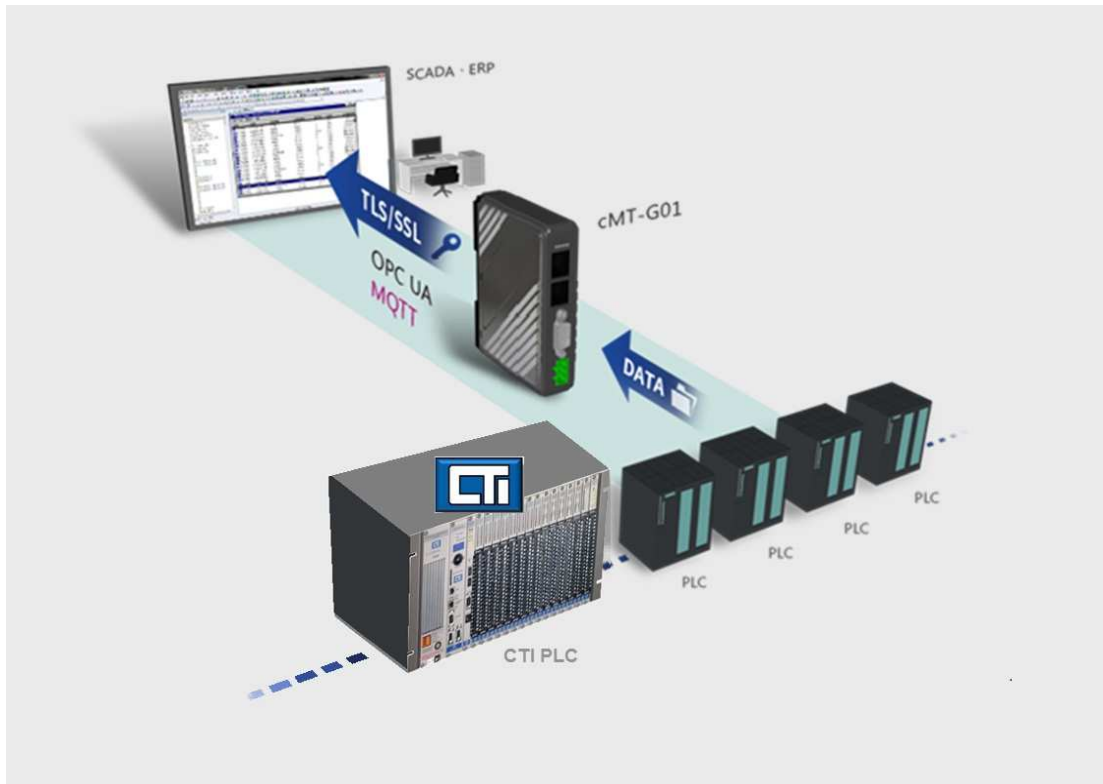
cMT-G01 operates the same data acquisition and analysis functions as an HMI (e.g. store event log...etc.). cMT-G01 does not only implement Data Transfer between devices (e.g. recipe data...etc.), but also runs Macro to perform arithmetical, logical operations, and to convert raw data into meaningful information. In addition, cMT-G01 supports Scheduler that will trigger events at a specified time.

**cMT-G01 does not handle graphics, it is an intelligent data server. If you need graphics as well, contact us to help you select the appropriate HMI screen server.**



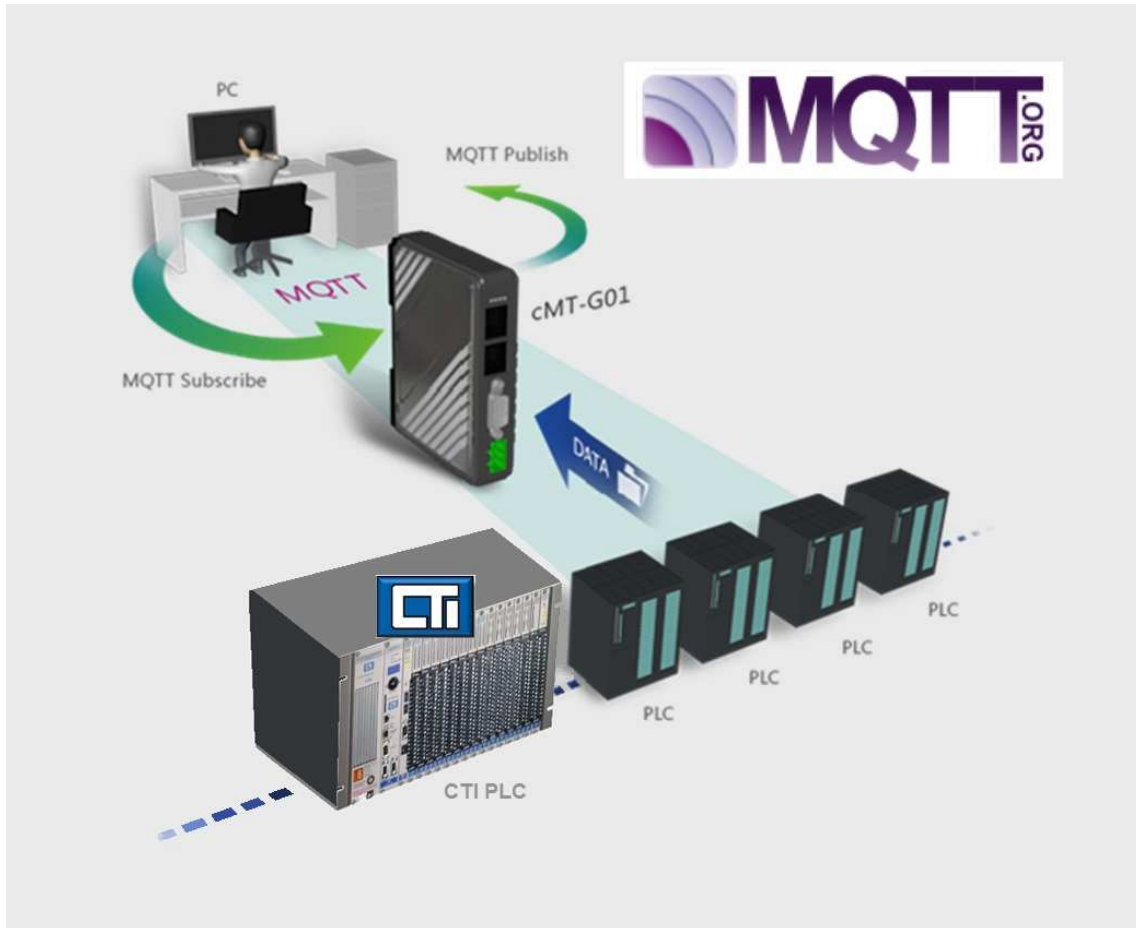
■ **Secure Data transmission**

The two major IIoT protocols: MQTT and OPC UA built into cMT-G01 support TLS/SSL certificate system for transmitting data securely from onsite machines to upper layer systems. In addition, you can access remote devices via cMT-G01 with EasyAccess 2.0. The VPN channel provided by EasyAccess 2.0, also encrypted with TLS/SSL, will ensure data integrity and will provide protection against hackers.



■ **Real-time Event/Alarm Notificationn**

cMT-G01 can also send email to inform users about the operation status of the onsite machines. It uses MQTT Publish function to send updated data or messages to immediately notify subscribed users. Additionally, with the EasyAccess 2.0 Push Notification function, users can also receive immediate notifications about the operation status of onsite machines, which greatly improves efficiency and reduces the loss caused by unplanned machine downtime.



**Features**

■ **High Performance**

Equipped with RISC-based Cortex-A8 600MHz CPU, cMT-G01 is very compact and energy efficient. cMT-G01 has rich communication interfaces: Gigabit Ethernet port and RS-232 / RS-485 Serial port, to meet diverse application requirements.

For more information, please visit our [cMT-G01 page](#) and [contact us](#) !

Visit WEINTEK on  website

The footer banner features a dark blue background with a grid pattern. At the top, there is a row of logos: CTI, FasTrak SOFTWARE, INC., COPADATA, WEINTEK, and AUTOMATIONDIRECT! Below the logos, the slogan 'KEEP AUTOMATION SIMPLE' is written in white, followed by 'KEEP CONTROL ON THE TOTAL COST OF OWNERSHIP' in a smaller white font.