INTEGRATED MACHINE ANALYTICS (IMA) C70 ADAPTER

PRODUCT OVERVIEW

- **Monitor critical machine data remotely**
- **Real-time reporting**
- **Diagnostic capability**
- **Ease of setup and use**

Mitsubishi Electric Automation's Integrated Machine Analytics (IMA) C70 Adapter empowers end-users to monitor critical machine data in real time. Easily installed, the IMA C70 Adapter captures program and machine status data, providing live updates that enhance operational awareness and decision making.

Fully compliant with MTConnect standards, the IMA C70 Adapter integrates seamlessly with any supported MTConnect Client Application. This enables real-time monitoring, data collection, and visualization of equipment status from a remote PC.

Mitsubishi Electric Automation's C70 control platform is a rack-based system designed for large-scale, complex manufacturing environments that demand high-speed data processing, exceptional accuracy, and advanced automation capabilities. It is widely used across industries such as:

- Automotive manufacturing
- Aerospace and defense
- Industrial machinery
- Electronics and semiconductor production
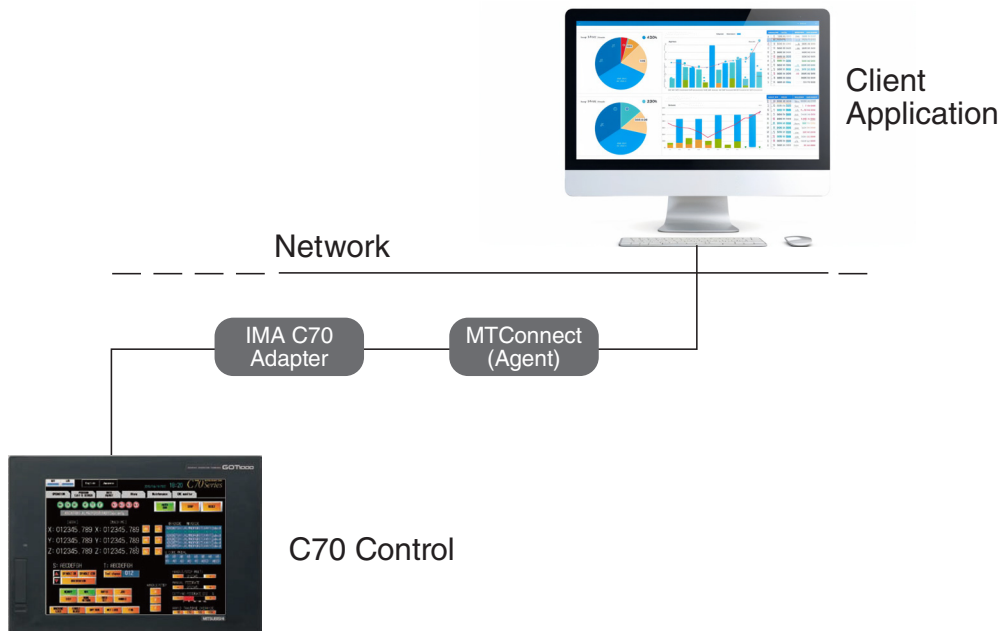- Heavy equipment and metalworking

C70 Adapter publishes the following data items:
- Availability
- Controller Mode
- Emergency Stop
- Execution State
- Load
- Override – Programmed Path Feedrate
- Override – Rapid Path Feedrate
- Override – Rotary Velocity
- Path Feedrate – Actual
- Path Feedrate – Programmed
- Part Count – All
- Part Count – Remaining
- Part Count – Target
- Program – Active
- Program – Main
- Serial Number
- Alarms/Conditions
- Wait State

How it Works

With the installation of the IMA C70 Adapter and MTConnect Agent, only the CNC machine's IP address needs to be configured to be seen over the network. With the IMA C70 Adapter installed, the Adapter conveys real-time system data to the MTConnect Agent. Using a defined set of terms (a data dictionary), the MTConnect Agent acts as a translator by converting read data into the MTConnect format. The formatted data is then sent to the Client/Application where it is processed and displayed numerically and graphically for review by the end-user..

Client Application

Network

IMA C70 Adapter — MTConnect (Agent)

C70 Control

System and Installation Requirements

The following system components are required to enable IMA C70 Adapter read capability:

- Laptop or desktop personal computer with Windows 8 or newer operating system
- Direct Ethernet connection
- Mitsubishi Electric C70 Series NC

Getting Started

Mitsubishi Electric's IMA C70 Adapter can be ordered by contacting your local sales representative and referencing the following IMA part number:

- IMA-C70 FULL