

INTEGRATED MACHINE ANALYTICS (IMA) CITIZEN M6 ADAPTER

PRODUCT OVERVIEW



- Remote monitoring
- Real-time analytics
- MTConnect compliant
- Data-driven insights

Mitsubishi Electric Automation's Integrated Machine Analytics (IMA) Citizen M6 Adapter empowers end users to monitor critical machine data in real time. Easily installed on the NC hard drive, this software package captures Numerical Control (NC) data directly from the M6 control system, providing live machine program and status updates.

The IMA Citizen M6 Adapter is MTConnect compliant and compatible with select Citizen machines manufactured between 2001 and 2007. It is designed for use with the Mitsubishi Electric M6 Series NC control, which is commonly found on, but not limited to, the following Citizen Swiss-type lathes:

- Citizen C16-VI
- Citizen L20-VIII
- Citizen M16
- Citizen M32

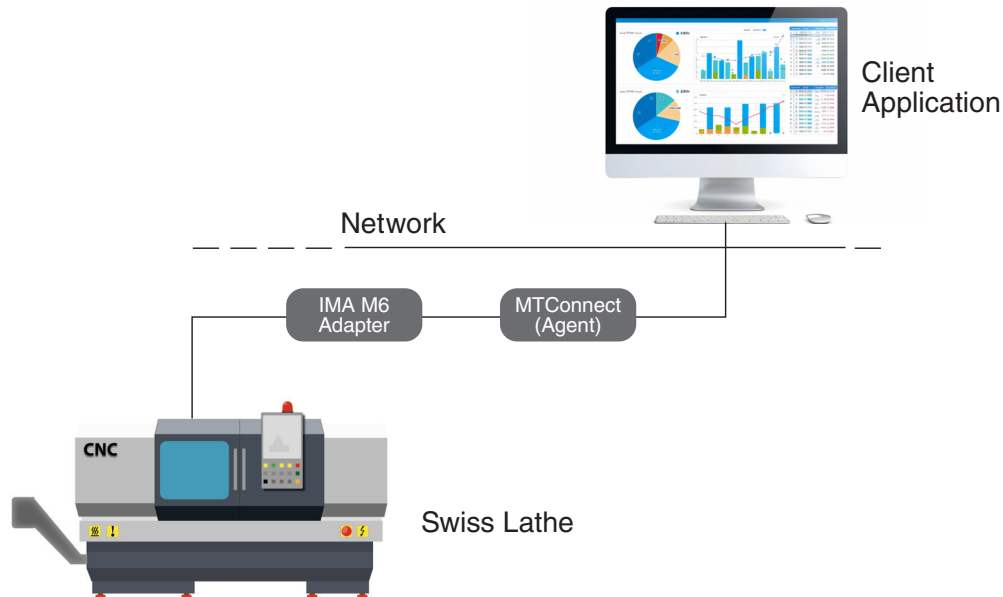
Citizen M6 Adapter publishes the following data items:

- Active axes
- Availability
- Block
- Execution
- Part count – all
- Part count – remaining
- Part count – target
- Path feedrate override – programmed
- Program
- Program – sub
- Rotary velocity – actual
- Rotary velocity – programmed
- Serial number
- System



How it Works

With the installation of the IMA Citizen M6 Adapter and MTConnect Agent, only the CNC machine's IP address needs to be configured to be seen over the network. With the IMA Citizen M6 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.



System and Installation Requirements

The following system components are required to enable IMA Citizen M6 Adapter read capability:

- Ethernet card: 10BASE T type
- Mitsubishi Electric Part # A68841EX, PCB HR841 PCMCIA SLOT (if not already installed)
- Mitsubishi Electric J5100, F150 PCMCIA Cable for HR841, 75mm length (if not already installed)
- Direct Ethernet connection
- Citizen M6 Control with Windows® 95 or Windows 2000 NT operating system
- Client/Application: MTConnect approved provider capable of reading data must be installed on a separate computer system (I.E., PC, server, etc.) with a network connection to the machine

Installation of Mitsubishi Electric's IMA M6 Citizen Adapter requires access to the NC control hard drive.

Installation of the M6 Citizen Adapter must be performed by trained Mitsubishi Electric service personnel.

Getting Started

Mitsubishi Electric's IMA Citizen M6 Adapter can be ordered by contacting your local sales representative and referencing the following IMA part numbers:

- IMA-CTZN6-MTC
- IMA-CTZN6-INSTALL

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L-VH-12030