MEMEX
Measuring Manufacturing Excellence

A quick and easy way to take the first step towards Data-Driven Manufacturing

Ax760-MTC is a configurable MTConnect® hardware adapter that connects to any machine and communicates critical operational information using MTConnect® standard protocol. With Ax760-MTC enable older machines on your shop floor to output available machine state, alarm states, controller modes, and much more in Real-Time.

FEATURES

- 16 digital inputs, optically isolated - 8 groups of 2 (DI:3-30VDC, 1A) to capture signals direct from machine
- Native connectivity to any I/O link equipped Fanuc controllers including late model 16 /18 controls and all i-series models
- MTConnect® Compliant V1.3. Can be upgraded to newer versions
- Plug into Fanuc I/O link bus and passively detect data on both the X (inputs) and Y (outputs), addressable from 0.0 to 127.7 as well as 16 additional digital inputs
- Supports part counting through predefined part count address spaces
- On board application software to map the Fanuc I/O link PMC address space to MTConnect® tags
- MTConnect® allows for Feedrate and Spindle Override to be represented as a multi-step percentage value from the Machine Operator Panel
- Simple Phoenix style quick disconnect connectors

- Power Source —12-24VDC
- 15KV Surge protection
- Self-resetting fuses
- Non-volatile memory protects setup in the event of an extended power loss
- Easy magnetic mount (screw-less) anywhere in a metal cabinet
- Universal Configuration Software Utility and hardware
- Attaches to any device or machine
- Accepts 16 digital inputs, from legacy machines
- Visual LED indication of input state
- Plug n' Play with MEMEX's comprehensive MERLIN OEE dashboard
- Supports a maximum of 36 data items, discrete and I/O link signals combined
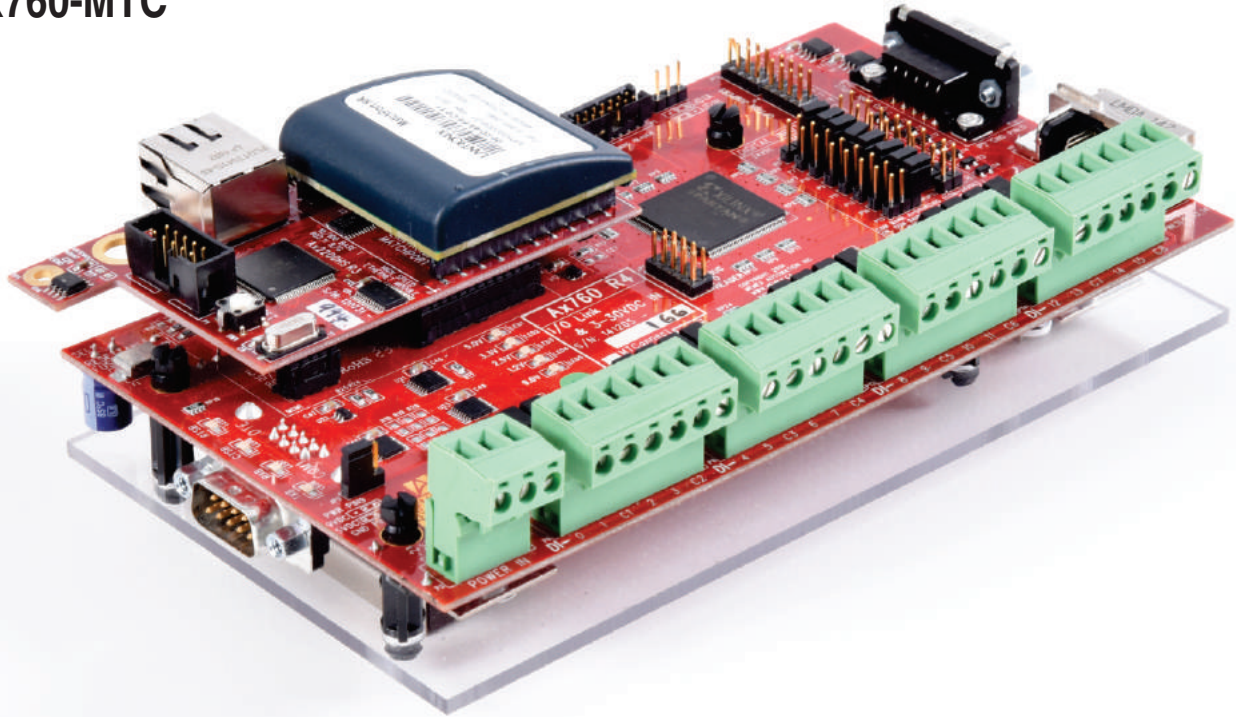- Two "Rapid Part Count Inputs" capable of 100 parts per second

BENEFITS

- Works with any machine and reduces installation costs
- Real-Time machine operation capture and monitoring
- Passive, non-intrusive listening with no possibility of operational interference
- Connect to the latest MTConnect® Agent

- Easy to install on any machine, savinf hours of installation time
- Easy configuration through a defined data dictionary
- Safe from transient shock, protecting both the board and machine
- Compact design with no messy wires, cables or soldering

MERLIN

MERLIN is an IIoT Shop-Floor-To-Top-Floor communications platform that provides manufacturing analytics in Real-Time.

Ax760-MTC

ABOUT MEMEX™

MEMEX, established in 1992, continues to be on the leading edge of the convergence of industry trends in Computing Power, Machine Connectivity, Industry Standards, Advanced Software Technology and Manufacturing Domain Expertise. An industry leader in IIoT, MEMEX Inc. has developed MERLIN Tempus, an award winning IIoT technology platform that delivers tangible increases in manufacturing productivity, in Real-Time.

With a comprehensive understanding of the challenges faced by manufacturers, MEMEX is the global leader in Machine to Machine (M2M) connectivity solutions. We continue to relentlessly pursue the development of innovative IIoT centric solutions that "Successfully transform factories of today into factories of the future". MEMEX hardware and software products create unparalleled visibility from "shop-floor-to-top-floor".

The MERLIN Tempus Suite offers solutions that are focused on revealing hidden capacity by measuring and managing Real-Time objective data. MERLIN Tempus provides the ability to effectively quantify and manage Overall Equipment Effectiveness (OEE), reduce costs, incorporate strategies for Impactful LEAN continuous improvement, and the opportunity to measurably and sustainably boost bottom line financial performance.

PRODUCTIVITY
10%-50% average productivity increase

PAYBACK
payback in less than four months with an Internal Rate of Return (IRR) greater than 300%

PROFITS
20% + profit improvement based on just a 10% increase in OEE

CONNECTIVITY
connects to any machine, old or new

Contact MEMEX to implement IIoT Data-Driven Manufacturing now.

MERLIN

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