

MECHATROLINK News brings the latest MECHATROLINK information to our members.

2010 Annual General Meeting

Annual General Meeting followed by Lectures and Reception

The next MMA annual general meeting will be held soon. The date, time, and location are shown below. The meeting will be followed by lectures and a reception.

The meeting, lectures, and reception are free to all MMA members, and we are looking forward to seeing many members there.

All participants are requested to register in advance by sending an email to the MMA.

Date, Time, and Place

Date: 1:00 p.m. to 5:10 p.m., Friday June 18, 2010

Place: Mita NN Hall (<http://www.mita-nn-hall.com/>)

Address: Mita NN Bldg. B1, 4-1-23 Shiba, Minato-ku, Tokyo

Transportation:

A 5-minute walk from JR Tamachi Station or Toei Mita Line, Mita Station (Exit A9 is directly connected to the building). Or a 3-minute walk from Toei Asakusa Line, Mita Station

Participants: MMA members only

Participation fee: Free

Registration for Participation

All participants are requested to register in advance by sending an email to the MMA stating the company name and names of participants.

Program

- ◆ Annual General Meeting: 1:00 p.m. to 1:40 p.m.
- ◆ Lectures, Introduction of New MECHATROLINK Products, and Annual Plans: 1:40 p.m. to 5:10 p.m.

Special Guest Lecture 1

"Marketing Strategies and Manufacturing for Developing Chinese and Asian Regions"

Delivered by Mr. Tomofumi AMANO, Associate Professor, MMRC of Faculty of Economics, University of Tokyo

Special Guest Lecture 2

"Integrated System for Drug Testing and Its Market Trends" by Mr. Takahiro NAKAYAMA, Manager, Control Design Sec. of Sankyo Seisakusho Co.

Introduction of New MECHATROLINK Products

- MECHATROLINK-III IP Core Solution by TOKYO ELECTRON DEVICE LIMITED
- MECHATROLINK-III compatible Servo Driver VCII by NIKKIDENSO Co., Ltd.
- Network Converter for Stepping Driver by ORIENTAL MOTOR Co., Ltd.
- MECHATROLINK compatible RTOS QNX by Forks Inc.
- MECHATROLINK-III compatible Bit Distributed I/O Terminal by Anywire Corporation

- ◆ Reception: 5:30 p.m. to 6:50 p.m. Free to all MMA members.

AIMEX 2010 Participation Report (Korea)

The MECHATROLINK Members Association (MMA) participated in AIMEX 2010 (The Industrial Automation, Instrumentation & Measurement Exhibition 2010) held in Seoul, Korea, March 3 to 6 (Wed. - Sat.), 2010.

Fully 16 new MECHATROLINK-III compliant products were connected in a network for demonstration, and existing MECHATROLINK-II compliant products also attracted the attention of many visitors.

A large number of visitors representing various factory automation industries learned about the MECHATROLINK open network.

During the exhibition, 47 companies became MMA members.



The MMA booth attracted many visitors

A scene from the seminar organized by the local MMA staff

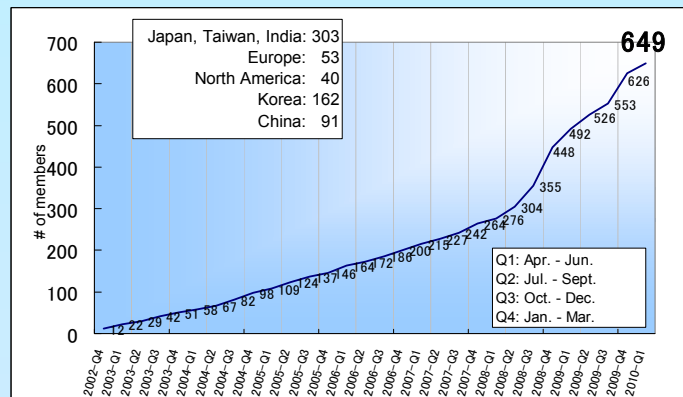


Increase in MMA Members

560 companies (Jan., 2010)⇒

649 companies (May, 2010)

89 new member companies!



MECHATROLINK One-Point Lesson MECHATROLINK-III Hot Plugging

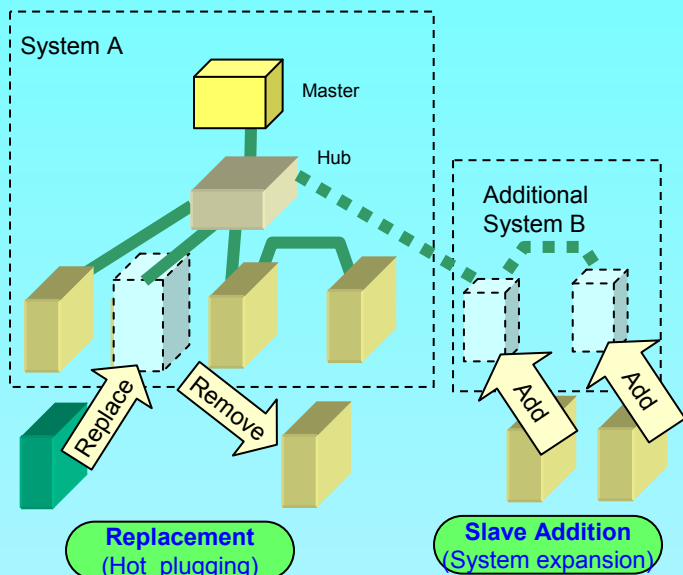
One useful MECHATROLINK-III function is explained here.

Hot plugging is the adding or removing of slave stations while the system is running. It is also called hot swapping.

This allows you to **exchange a slave** or **add a slave** to the network **while operating the system online**.

MECHATROLINK-III makes it possible to connect slaves to the master via a hub in star topology. By connecting slaves to the hub, hot plugging can be effectively used for a system that needs slaves to be replaced or added.

Example of Hot Plugging



A faulty slave station can be replaced without shutting off the system.

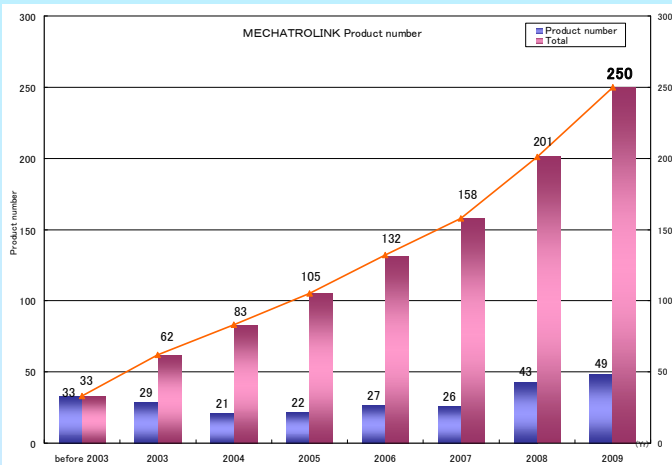
Slave stations can be added as required to expand the system.

Increase in MECHATROLINK Products

From 201 in 2008 to 250 in 2009

A total of 49 new products were introduced in one year!

New products will continue to be introduced to the market as MECHATROLINK grows.



New MECHATROLINK Products

Forks Inc.

Product name: MECHATROLINK-III for QNX

Features :

MECHATROLINK-III for QNX is a driver software for QNX Realtime Operating System (RTOS) that supports MECHATROLINK-III communications ASICs JL-101* and JL-100*, and JAPMC-NT112A-E*.

*: Manufactured by Yaskawa Electric Corporation

Compatible OS: QNX6.x
QNX6.x

- Microkernel-based OS
- Process level memory protection
- Multi-process/Multi-thread
- POSIX compliant
- Stability in response to interrupt events
- Multi-core supported
- Supports AMP, SMP, and BMP
- Feature-rich middleware
- Windows-like GUI mounted as standard
- Display and input method both support Japanese, Korean, Chinese and more.
- TCP/IP (IPv4, IPv6)
- File system: POSIX, FAT/FAT32, NAND/NOR flash, NIFS, CIFS, etc.

Supported ASIC: JL-101, JL-100

Supported board: JAPMC-NT112A-E

Inquiries:

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New MMA Members

Analog Devices, Inc., Clevertex Co., Ltd., Evernet Electronics Co., Ltd. EZER Laboratory, Hyundai & Kia Machine Corporation, IAE (Institute for Advanced Engineering), KTURBO Inc., MDSI Venture, LLC, MPI Corporation, No. 2 WenLing Electrical Insulating Materials Factory, SAMJUNG TECH, SAMSUNG SDI Co., Ltd., Shenyuekong Autocontrol Co., Ltd., Standard Microsystems Corporation, TECHMAC, Yokogawa China Co., Ltd. (Only those companies that gave us disclosure permission are listed here.)

Future Events

June 18, 2010: MMA annual general meeting

Aug. 4 to 7, 2010: Taipei International Automation Technology Exhibition

Inquiries:

For questions about joining the MECHATROLINK Members Association and other inquiries, please contact the MMA.

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