MECHATROLINK
News

MECHATROLINK News provides members of the MECHATROLINK Members Association with the latest information on MECHATROLINK.

Activities in 2007 and Projects for 2008

In 2007, MMA membership grew to 258 companies, and the number of MECHATROLINK-II compliant products increased to 160, including proprietary products.
Some of the highlights of 2007 were our participation in SCF 2007 and SEMICON JAPAN 2007, and the acceptance of order for ASIC for the MECHATROLINK-III.

The following are MMA milestones in 2007.
1) Participated in the 10th China International Machine Tool Exhibition, April 9 through 15, 2007
2) Participated in Hannover Fair 2007, April 16 through 20, 2007
3) Held the MMA annual general meeting on May 28, 2007
4) Participated in the 6th China International Equipment and Manufacturing Exposition, Sept. 4 through 8, 2007
5) Participated in the Korea Motion Control Show 2007, Oct. 10 through 12, 2007
6) Participated in US Pack Expo 2007, Oct 15 through 17, 2007
7) Participated in SCF 2007, Nov. 13 through 16, 2007
8) Participated in SEMICON JAPAN 2007, Dec. 5 through 7, 2007
9) Started accepting orders for MECHATROLINK-III ASIC
10) Held MECHATROLINK Seminars at four different areas in Japan. July 20 in Tokyo, Aug. 24 in Nagoya, Jan. 29 in Osaka (March 10, 2008 in Fukuoka)

In 2008, we will focus on the following activities to increase the number of MECHATROLINK users.
1) Promotional activities through participation in exhibitions in Japan, Korea, China, Taiwan, and other countries.
2) Expansion of MECHATROLINK-III compliant products.
3) Compliance with other standards (cooperation with ODVA is under consideration)
4) Seminars at each branch office, and user support
Together with you and all of the MMA members, we will continue our efforts to make MCHATROLINK the de-facto standard for motion networks. We appreciate your continued support.

MMA Activities

Exhibition Participation

The MECHATROLINK Members Association will participate in the following two exhibitions, in April and July 2008.

1) Techno-Frontier 2008
   Date: April 16(Wed) to 18(Fri), 2008
   Place: Makuhari Messe, Japan
   Booth No.: HALL7-7509
The MMA will participate in MECHATRONICS CONTROL 2008. We plan to exhibit the MECHATROLINK-III ASIC for communications, and to demonstrate connectivity of MECHATROLINK-II compliant products of various companies.
Please refer to the following website for details of the exhibition.
URL：http://www.jma.or.jp/TF/en/

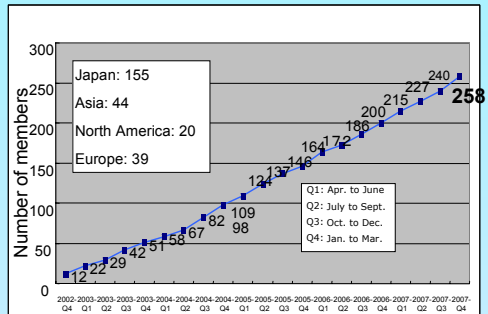2) EASTPO 2008: 2008 Shanghai International Machine Tool Fair
   Date: July 9(Wed) to 12(Fri), 2008
   Place: Shanghai New International Expo Center (SNIEC), China
   Booth No.: (to be decided)
Please refer to the following website for details of the fair.
URL：http://en.eastpo.net/

We are looking forward to seeing many of you at both exhibitions.

Increase in MMA Membership

240 companies (Dec. 2007) ⇒ 258 companies (March 2008)
18 new member companies

Japan: 155
Asia: 44
North America: 20
Europe: 39

Q1: Apr. to June
Q2: July to Sept.
Q3: Oct. to Dec.
Q4: Jan. to Mar.

Release of ASIC for Master Devices

MECHATROLINK-II master ASIC, JL-098B will be released on March 21, 2008. The power supply voltage of JL-098B is 3.3V(5V for JL-080B).

The same physical layers used for JL-080B, including D/R, pulse transformers, and connectors, can be used for JL-098B. JL-098B exclusive drive software is available, as well as the JL-080B exclusive drive software.

ASIC for MECHATROLINK-II Master Devices

JL-098B
LQFP
20 x 20

・ Comparison of JL-098 and JL-080

	JL-098B	JL-080B
Host interface	8-bit or 16bit (multiplexed or a separate bus)	
Clock frequency	25 MHz	40 MHz
Power Supply	3.3 V, single supply	5 V, single supply
Package	LQFP(144-pin)	TQFP(144-pin)
Dimensions(mm)	20 x 20	20 x 20
Application	For master devices	For master and slave devices
RoHS compliance	Yes	Yes

Contact Yaskawa Electric Corporation for prices and delivery details.

New MECHATROLINK Products

We are pleased to introduce a new MECHATROLINK-II compliant product developed by an MMA member.

ALGO SYSTEM CO., LTD

The A-net/A-Link master unit for MECHATROLINK-compliant Algo Smart Display

Models: AP-010EX, 011EX、012EX

A-net/A-Link
+
MECHATROLINK

Features:

・This master unit easily enables HMI (Human Machine Interface) by using an ultra-slim touch panel computer ASD (Algo Smart Display) running on ultra-light Linux.

・Can be connected to Σ-III SERVOPACKs with 16 axes max., and is available for linear interpolation and positioning. Speeds and target positions can be changed during operation.

Contact:
ALGO SYSTEM CO., LTD.
656 Kobirao, Mihara-ku, Sakai-shi, Osaka 587-0021 Japan
Tel: +81-72-362-5067 Fax:+81-72-362-4856
URL: http://www.algosystem.co.jp/

MECHATROLINK-III Manual

We are in the process of producing MECHATROLINK-III manuals.
We are posting parts of the manual on the MMA website as they are completed.
MMA members can download manuals from the members only page of the MMA website.

2008 Annual General Meeting

The 2008 general meeting will be held as follows. An invitation to the meeting will be sent out to MMA members.

Date & Time: Tuesday June 24, 2008, 13:30 to 19:00
Place: Hotel Tokyo Garden Palace in Ochanomizu
Details: General meeting, lecture and banquet.
Qualifications: MMA membership
All participants will receive a welcome gift.

New MMA Members

Sky Link Corp., MTT Corp., HMS Industrial Network AB, ADFweb.com SRL, POSTECH, Nikki Denso Co., Ltd., LAM Technologies, CONTECH CO., LTD., Oki Information Systems Co., Ltd., TELDA SERVO CO.LTD, SINTESI SCpA
(Only those companies who gave us permission have their names are listed here.)

Scheduled Events

April 16th to 18th: Techno-Frontier 2008 (Makuhari)
June 24th: MMA General Meeting
July 9th to 12th: EASTP 2008 (China)