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New digital I/O media module for the MICE family industrial Ethernet switches

Available with version 7.0 of the „Layer 2 Professional” software this module with four digital inputs and outputs enables MICE Switches to send signals and status messages via the network to be analyzed. An auxiliary output provides 24 VDC voltage with 3W power to control the connected components directly without an additional power source. The inputs comply with the ISO 61131-2:2007/type 3 standard. The outputs are floating relay changeover contacts, which can each resist a current load of 1 A. An auxiliary output provides 24 VDC voltage with 3 W power to control the connected components directly without an additional power source.

Further features of the digital I/O Media Module include IP20 protection class, high shock and vibration resistance and extensive immunity to electrostatic discharges and magnetic fields. The Media Module’s standard version is configured for a temperature range of 0° to +60° C. Two versions with an extended range of -40° to +70° C are also offered, which differ in that one of their PCBs have a conformal coating to protect them against condensation. The I/O Media Module can therefore also be used under extreme climatic ambient conditions.



New Case Study: Stadtwerke München

Stadtwerke München, which operates Munich’s municipal utilities, is modernizing its subway and tramway cars by installing Hirschmann™ Ethernet technology.

Passengers who use these vehicles should have the benefit of modern information technology, for example with screens showing the next stop and the position of the exit, video cameras and passenger counting systems. To ensure the secure transmission of data MSG decided to equip its subway and tramway cars with a redundant Ethernet network based on ring topology. Each train will also receive a powerful control computer with wireless communications to the central traffic control center.

Altogether, the project involves 523 OCTOPUS 8M-6PoE and 315 OCTOPUS 16M-8PoE units, providing respectively eight or sixteen Fast Ethernet ports with M12 connectors. At each of the 100 subway stations one or two modular Hirschmann™ switches of type MS30 are installed. These additional node locations can then be used to link up control equipment and/or cameras.

The Case Study CS 104HE you will find [here](#) for download.



LION trade-in campaign

With the purchase of a MACH102, MACH104 or MACH4000, and we will credit you with your investment. To transform old into new, all you need to do is decommission a Hirschmann™ LION workgroup switch.

How to turn your Hirschmann™ LION workgroup switch into a high-end Hirschmann™ device from the MACH family:

- Contact your Belden representative or responsible sales person and order a MACH switch from the list of devices covered by the trade-in campaign.
- Indicate which version of the LION switch you intend to return.
- We will calculate the rebate and will credit this amount to your purchase order. No cash rebates are possible.
- Once you receive your new MACH switch, send us the serial number label from your LION device together with proof of disposal. Alternatively, you may return the device to us (make sure you cover the costs of delivery).
- We will then compare the information on the LION switch(es) you are no longer using with the information you supplied when placing the order. If there are any discrepancies, the difference will be added to your next invoice.

This trade-in campaign runs until 31 August 2011. The MACH switches will be delivered by 31 December 2011.

More detailed information about this campaign you can find [here](#):



New Gigabit Ethernet Workgroup Switch with 16 PoE Plus ports

The new Hirschmann™ MACH104-16TX-PoEP is currently the most powerful industry-grade PoE switch on the market. It has 16 TX ports (10/100/1000 BASE-TX) that support PoE and PoE Plus and four combo ports (10/100/1000 BASE-TX or 100/1000 BASE-FX). There are also versions available with two 10-Gigabit XFP uplinks and optional redundant power supply as well as a fanless variant with an external power supply unit. This means the MACH104-16TX-PoEP can be used as part of versatile and cost-effective solutions to connect terminal equipment such as IP cameras and VoIP phones to the automation network backbone.

The 16 PoE ports provide a total of 246 W, which, for instance, could be used to power up to 16 IP cameras. The high bandwidth also offers sufficient reserves to simultaneously transmit the video streams of those same cameras. The new switch, which can also be integrated into Profinet and Ethernet/IP networks, offers extensive management and redundancy features as well as various configuration and diagnostic functions. The unit's operational reliability is enhanced by its high level of resistance to vibration and shocks coupled with broad immunity to magnetic fields and electrostatic discharges. Since the switch is geared for a temperature range of 0°C to +50°C, it can also be used inside switch cabinets without powerful cooling systems.

More Information about the new MACH104 you can find [here](#):

Contact:

If you have any questions, hints or tips please contact:
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