

[Data acquisition with LAN-AD16f from bmcm: Highly professional and as comfortable as USB](#)

*Maisach/Munich/Germany. Presenting the LAN-AD16f, BMC Messsysteme GmbH (bmcm) demonstrates that state-of-the-art technology and easy usability can go together very well. The extremely powerful LAN measurement system benefits from the advantage of safe and distributed data acquisition via network, but is as easy to install as USB.*

Online PR News "30-June-2011" In PC measurement technology, data acquisition via the USB interface has taken an important role in the last years and deservedly so. Simply "Plug & Play" and you can start recording your analog and digital signals.

However, there are limits to USB data acquisition concerning interference resistance, continuous quality control, multi-channel measurements, or data acquisition across great distances or at many measuring sites at the same time.

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To solve the problems mentioned before, BMC Messsysteme GmbH (bmcm), manufacturer for measurement technology made in Germany, goes beyond these limits with its latest DAQ system LAN-AD16f choosing the LAN network for transmitting sampled data to the PC.

--> <http://www.bmcm.de/us/pr-lan-ad16f.html>

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The special features of data acquisition via LAN are impressive, just to mention some of them:

unlimited length of the measuring cables between DAQ system and PC

distributed, simultaneous acquisition of measuring signals at many measuring positions

unlimited number of measuring channels

synchronization of measuring data

safe, reliable, and complete transmission of measuring data to a central PC

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Signals are transmitted without interferences via one network cable at the maximum from the DAQ system to the PC. Even wireless transmission via WLAN can be realized with standard components. Annoying and costly cabling is unnecessary - a great advantage in industrial production facilities or at rotating platforms, for example.

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Everybody shying away from the word "LAN", seeing himself being confronted with a further training as a network administrator, can calm down: Due to the intelligent LAN measurement technology from bmcm, the installation of the LAN-AD16f is even simpler than with USB. A driver installation is not necessary - just simply connect and everything is done. Correct network settings are automatically assigned to the device so that it can be used by everybody not just network experts.

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The universal DAQ system features everything one desires: 16 analog inputs (+/-10V, +/-5V, +/-2V, +/-1V), 2

analog outputs (+/-10V), and 16 digital inputs and outputs each. The measuring range can be chosen for each channel separately via software. A 19-bit counter, accessible at the first digital input pins, allows for the acquisition of pulses or the connection of an incremental encoder.

With 250kHz sampling rate - per device - and 16 Bit resolution, even dynamic signals are precisely recorded.

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The LAN-AD16f uses the standard TCP/IP protocol guaranteeing for safe and complete data transmission.

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The connected DAQ systems are operated from a central PC, which does not necessarily have to be at the measuring site. That means that measurements, for example, can be done outside at many positions and be brought together and visualized at one computer or laptop.

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Even in terms of software, the LAN-AD16f exceeds all limitations. It can be installed under Windows, but it also runs with the operating systems Mac OS X, FreeBSD, and Linux.

Besides that, the LAN-AD16f is supported by the measurement software NextView 4 for professional data acquisition and processing under Windows 7/XP.

A configuration software, ActiveX Controls, and a 30-days trial version of NextView 4 are included.

--> <http://www.nextview.de/index-us.html>

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Last but not least: Staying clearly in the three-digit range regarding the price, the LAN-AD16f features an excellent price-performance-ratio.

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LAN-AD16f: Makes measurement easier and supports you to get results faster.

Further information is provided on the website of BMC Messsysteme GmbH (bmcm) at:

<http://www.bmcm.de/us>

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\*\*\* About BMC Messsysteme GmbH (bmcm) \*\*\*

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BMC Messsysteme GmbH was founded in 1994 as an independent corporation with headquarters in Maisach, app. 30 km west of Munich. bmcm is one of the only German companies that completely develops and produces in Germany. The products of data acquisition and PC measurement from BMC Messsysteme GmbH stand for quality "made in Germany". A high value is set on keeping an excellent price/performance ratio. Since establishing a direct distribution in July 2006, customers have been able to profit from the

advantage of direct contact to the manufacturer.

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BMC Messsysteme GmbH serves the following business areas:

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\* Data acquisition components and PC measurement technology \*

This comprises a wide range of connection systems, measuring amplifiers, data acquisition cards (internal and external), "ready-for-use" data acquisition systems, data loggers and the appropriate software for visualization, recording and analysis.

<http://www.bmcm.de/us/prgr-products.html>

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\* D2M (Design to Manufacturing) and OEM products \*

BMC Messsysteme GmbH develops and produces electronic components according to customer specifications.

<http://www.bmcm.de/us/co-d2m.html>

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You will receive high-quality products manufactured already since the beginning of 2006 according to the RoHS directive. Of course, the corresponding documentation and CE test is always included.

A German documentation is obligatory for us, as well as an English description to be available to our international customers.

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