

A Good Combination – Access to Ethernet and CAN with One Device



Stuttgart, GERMANY, 2013-06-03 – Vector is introducing the new VN5610 device – a compact Ethernet/CAN interface with USB. Developers in the automotive and aerospace industries will benefit from simultaneous access to CAN networks and Ethernet-based systems such as Broad-R-Reach or AFDX[®] with just one interface. The new hardware can be used in tasks ranging from remaining bus simulations to Ethernet monitoring and synchronization of Ethernet frames with other bus systems such as CAN. In particular, developers will benefit from highly precise time stamps with a common time base for synchronizing the various systems.

The new VN5610 bus interface has two separate channels for Ethernet and CAN, which enables simultaneous operation of a remaining bus simulation with the CANoe.IP or CANalyzer.IP Vector tools. While two high-speed CAN channels are available in the CAN section, the Ethernet section supports Broad-R-Reach and standard Ethernet IEEE 802.3 (100BASE-TX or 1000BASE-T). The advantage here is that the user can connect existing standard Ethernet loggers and accessories when used as an Ethernet media converter.

In what is known as Ethernet monitoring, the new interface offers a transparent connection (in/out/monitor) between two nodes with precise time stamps.

In the interplay of the new VN5610 with the Vector tools CANoe.AFDX or CANalyzer.AFDX, it is now possible to access the Ethernet-based AFDX[®] protocol that is widely used in the aerospace industry.

Press Release

The new interface can also readily handle the new CAN FD standard with its reconfigurable FPGA hardware architecture, and it rounds out the new VN5610 product range.

For more information on the new VN5610 interface go to:

www.vector.com/vn5610



[Figure 1: The new VN5610 - Interface with USB for Ethernet and CAN]



[Figure 2 (alternative): The new VN5610 and CANoe.IP – inter-network remaining bus simulation and testing for Ethernet and CAN]

(AFDX[®] is an Airbus' registered trademark)

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About Vector Group (Revised: June 1, 2013):

Vector is the leading manufacturer of software tools and software components for networking of electronic systems based on CAN, LIN, FlexRay, Ethernet, AFDX, WLAN and MOST as well as multiple CAN based protocols.

The Vector know-how is reflected in a wide range of tools as well as in integrated consulting services with software and systems engineering. Workshops and seminars complete the manifold training program.

Customers from the automotive engineering, the commercial vehicle, aerospace, transportation and control technologies around the world trust in the solutions and products from the independently-owned Vector Group.

Vector Informatik GmbH was founded in 1988. About 1,180 employees work for Vector Informatik and Vector Consulting Services in Stuttgart or in one of the subsidiaries in USA, Japan, France, Great Britain, Sweden, the Republic of Korea, India and China. The group's revenue in 2012 was 224 million Euros.