Universal Access Device 2Next – All-Rounder for Debugging and Trace

The Universal Access Device 2Next (UAD2Next) is the new all-in-one device in PLS’s UDE target access device family. It combines the state-of-the-art debugging features of the UAD2Pro with trace capabilities, which makes it ideal for efficient debugging, test and system-level analysis. Together with the Universal Debug Engine® (UDE) the UAD2Next provides a comprehensive and powerful support even for the latest heterogeneous multi-core SoCs.

- Proven and robust aluminum housing 17.0 x 14.5 x 5.5 cm.
- Passive Cooling.

High-Speed Target Access

The UAD2Next is optimized for high-speed debug communication between UDE running on the host PC and the target system.

- Proven target adapter solution already used for UAD2Pro and UAD3+ offers fastest and reliable target access for state-of-the-art debug interfaces DAP, SWD, JTAG, cJTAG, LPD.
- Ready for upcoming debug interfaces without replacing the base UAD2Next device.
- High-speed debug access with up to 160 MHz shift clock and 1.65 V – 5.5 V I/O voltage.
- Galvanic isolated target adapters (RF coupler technology with 1,000 V RMS isolation) available.
- Longer distances between UAD2Next and target system. Up to 0.5 m possible, 2.0 m on request.
- Connectors for ASC and CAN/CAN FD1 with galvanic signal isolation up to 1,000 V RMS.
- Support for DXCPL (DAP over CAN Physical Layer).
- USB3 or Gigabit Ethernet for connecting UAD2Next to the PC.

Trace Option

For trace based debugging, measurement and system-level analysis the UAD2Next can be extended with target specific trace modules.

- Easy mounting plug-in modules for a wide range of trace interfaces.
- Up to 12 bit parallel trace.
- 2 Lane serial trace for up to 1.25 GBit/s.
- 512 Mbyte internal trace memory.
- Ready for ARM CoreSight ETM, STM, ITM, PTM, Xilinx FTM, for NEXUS class 3 parallel / serial AURORA trace and for Infineon MCDS.

At a Glance – The Universal Access Device 2Next

- ASC and CAN/CAN FD1 target interfaces
- Plug-in modules for parallel and serial trace
- 512 Mbyte internal trace memory
- USB3 and Gigabit Ethernet for connection to PC

If you have any questions about our products, please feel free to contact us:

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2019_0121