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DATASHEET IN3033DS Ethernet Debugger Model 7060-A

FEATURES

- Capture ethernet packets without intrusion (preamble, SFD, and FCS are all left intact)
- Capture non-ethernet packets
- Detect direction
- Detect CRC validity
- Count inter-frame gaps
- Inject packets
- Disrupt packets
- PoE passthrough
- Accessed through userspace

- Made in Germany
- Can be directly accessed from Wireshark
- Can be accessed and controlled by command line interface, able to directly capture to file in PcapNG format

Signal Processing Devices

- Open source host software
- Compact and portable, USB-powered solution
- Connectors: 2x RJ45 10/100/1000 Mbps Ethernet, 1x USB-B 3.0
- Status RGB-LED showing device state
- National compliances: FCC, CE, RCM, ICES-003
- Aluminum enclosure, dimensions: 120 x 30 x 70 mm
- Engineered and manufactured in Germany



Top: front side view; bottom: back side view

APPLICATIONS

- Protocol development (including layer-2 protocols like AVB / TSN, 1588, Spanning Tree)
- MAC development
- PHY debugging
- Cable testing
- Performance monitoring
- Intelligence wiretap

Table 1 Ordering Code

7060-A	Ethernet Debugger	USB 3.0 cable included (2 meters)
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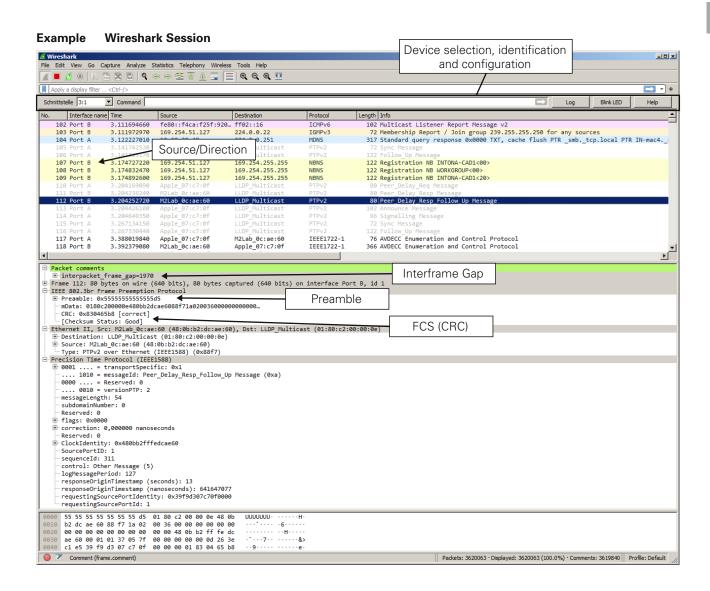
Options: -8 = DIN-Rail mount; -G = Ground contact screw

Table 2 Technical Specifications

Power Supply	Powered by USB host device (350mA max)	
Capture Speed	Ethernet is captured in realtime at full bandwidth over USB 3.0 (> 2 Gbps)	
Capture Format	PcapNG to file or via FIFO to Wireshark	
Supported OS	Windows, Linux, macOS (all possible CPU vendors supported)	
Ambient Temperature	-40-80°C	
Dimensions, Weight	120 x 30 x 70 mm; 300g	

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