



**NOFFZ**  
TECHNOLOGIES

HDS-HSD/MATEnet/H-MTD 1008

# HIGH-SPEED DATA SWITCH

switch automotive video, automotive ethernet, USB and PCIe



PRODUCT

[noffz.com](http://noffz.com)



**NOFFZ HDS** with different automotive connectors like HSD, MATeNet & H-MTD

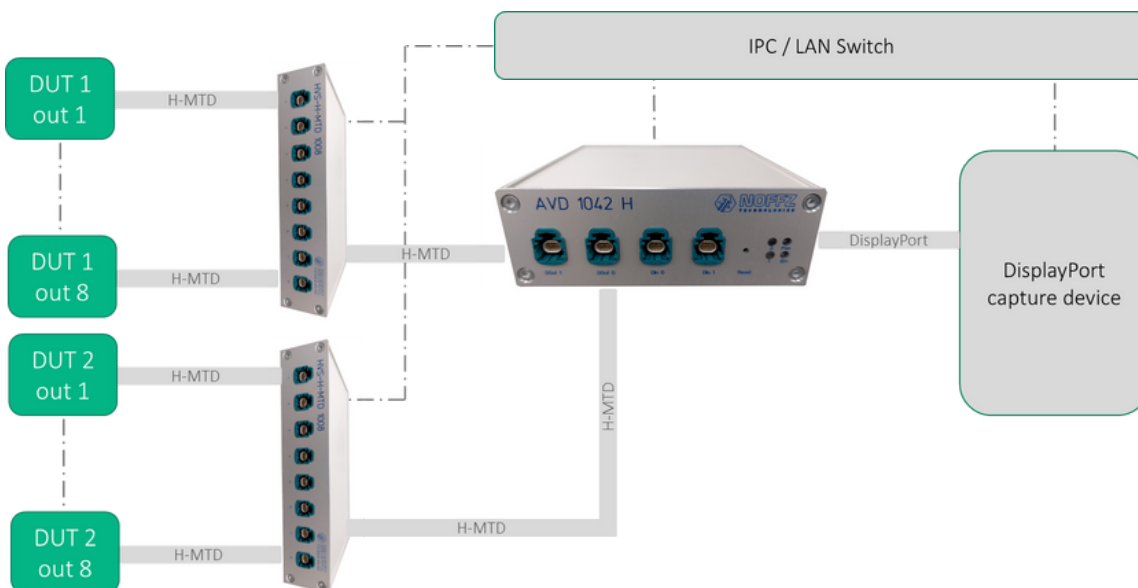
### FEAUTRES AND HIGHLIGHTS

- > 8-Port differential high speed data switch
- > Different Automotive connectors like HSD, H-MTD and MATeNet
- > Supports data streams up to 12Gbps
- > Supports bidirectional data stream with backchannel communication
- > Control via Ethernet
- > API for .net, LabVIEW and TestStand are available
- > Easy access with web interface
- > Additional parts like 19" 1HE mounting panel and mounting brackets available

### SUPPORTS

- > Automotive Video  
FPDLink III & IV; GMSL2 & 3; APIX; GVIF; ASA Motion Link
- > Automotive Ethernet  
100BASE-T1; 1000Base-T1;
- > USB 1.0/2.0/3.x
- > PCIe
- > HDBase-T
- > MIPI A-PHY

### EXAMPLE SETUP: DISPLAY TEST WITH HIGHSPEED DATA SWITCH





**NOFFZ** Automotive Video Serializer/Deserializer

Front

Rear

### FEAUTRES AND HIGHLIGHTS

- > Supports FPDLinkIII/IV and GMSL 2/3
- > Supports differential and single ended Signals up to 13Gbps (4k)
- > Different connectors like HSD, H-MTD, Fakra and HFM are supported
- > Access to all chip functions and registers over Ethernet
- > Easy access with Webinterface for settings and status information
- > API for .net, Labview and TestStand are available
- > Up to 2 channels in parallel
- > Supports backchanel communication in all directions
- > Small footprint
- > Additional parts like 19" 1HE mounting panel and mounting brackets available

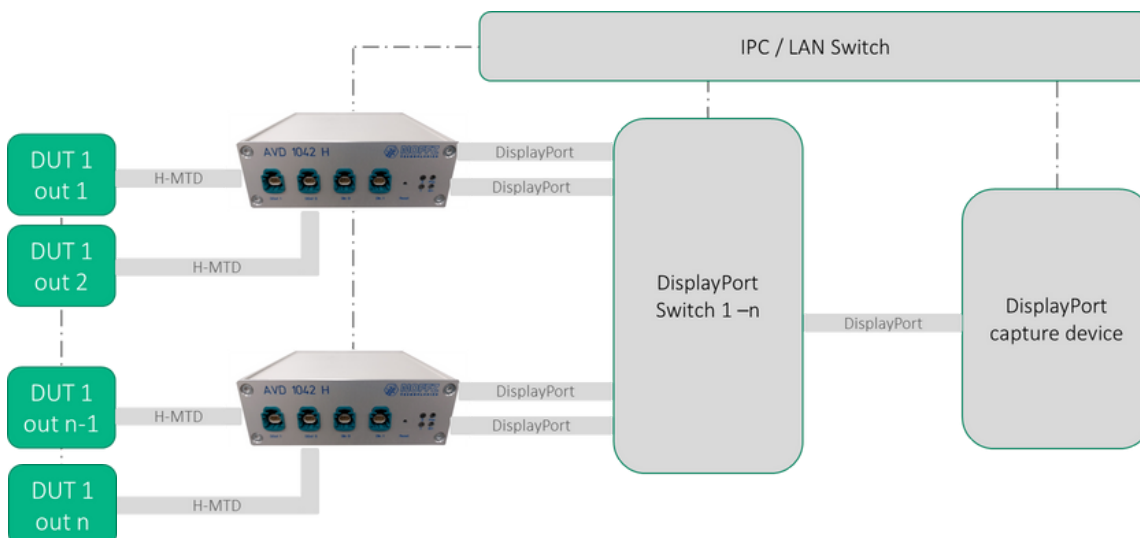
### SERIALIZER (CAMERA)

- > Able to generate different test patterns
- > Displayport video stream can be added
- > Onboard pixel clock generator
- > Loads for DC Test can be connected

### DE-SERIALIZER (DISPLAY)

- > Converts SerDes to Displayport
- > Daisy chain functionality available
- > All chip functions and registers are accessible via Ethernet

### EXAMPLE SETUP: DISPLAY TEST WITH HIGHSPEED DATA SWITCH



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Vorster Strasse 238 · 47918 Toenisvorst · Germany · Phone +49-2151-99878-0 · Fax +49-2151-99878-88 · [info@noffz.com](mailto:info@noffz.com)