

Comprehensive
ARINC 818 Solutions.....

ARINC 818 Tester





iWave 3U VPX High-Speed Video/Data Processing Card is a rugged standalone module in the 3U VPX form factor, aimed for the high-speed data, video processing, and display applications is ideal for military, defence and aerospace applications requiring an optimal balance of performance and power efficiency. iWave 3U VPX High-Speed Video/Data Processing Card is implemented using Xilinx Kintex-7 device architecture and has I/O interfaces including High speed 16 channels of transceiver interfaces capable of operating up to 6 Gbps data rate, Gigabit Ethernet, RS232, RS422, PCIe interface, Built-in health monitoring circuits, HDMI input, and output interfaces.

Applications:

- ARINC 818-2 IP Core
- ARINC 818-2 Switch IP Core
- ARINC 818 Tester
- ARINC 818 Protocol Analyze
- ARINC 818 Recorder
- ARINC 818 Monitor
- DVI conversion card
- HDMI conversion card

Supported Configurations

- ARINC 818 to HDMI
- HDMI to ARINC 818

HIGHLIGHTS

- ARINC 818 Duplicator
- ARINC 818 Mux
- ARINC 818 Switch

SPECIFICATIONS

- FPGA Xilinx Kintex 7
- 4Gb 32-bit DDR3 SDRAM
- Built in health monitoring circuitry(P-bit, I-bit, C-bit)
- Watchdog monitor
- Temperature sensor
- JTAG Connector
- Real-time counter
- 16 Transceivers @ 6 Gbps
- 1x Gigabit Ethernet
- PCIe Gen2 x4 lane interface as per VITA 46.4 standard
- HDMI 1.4a Input
- HDMI 1.4b Output
- RS232
- RS422
- SPI
- JTAG Header
- TTL input and output
- IC2
- Form Factor: 100mm x 160mm
- Operating temperature: Industrial Grade (-40 °C to +85 °C)

iWave Systems an ISO9001:2015 certified, 20+ years old leading Embedded design house based in Bangalore and a global leader in ARINC 818 solutions for both Defence and Aerospace applications. iWave offers comprehensive ARINC 818 Products which will help quicker time to market, lower your overall cost and technical support during integration. iWave can also quickly customize the ARINC 818 products and deliver.

iW ARINC 818 Tester

The device can be ordered online from the iWave website:

<https://www.iwavesystems.com/product/arinc818-tester/>

Or from our Local Partners in your Region:

<https://www.iwavesystems.com/business-partners/>

Note: iWave reserves the right to change these specifications without notice as part of iWave continuous effort to meet the best in breed specification. The registered trademarks are proprietary of the irrespsective owners.

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