

Comprehensive
ARINC 818 Solutions.....

ARINC 818 -2 Multi-Channel Converter



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ARINC 818 multi-channel converter card is a rugged standalone module with a GUI feature for control and configuration, capable of converting HDMI/built-in test patterns to ARINC and ARINC 818 to HDMI.

HIGHLIGHTS

- Quick ARINC 818-2 ICD customization as per customer requirement
- Multi Channel ARINC Input/Output via optical and copper medium
- ARINC818 will support standard/custom resolution and frame rate up to 2k@60fps

SPECIFICATIONS

Hardware Specifications

- 2x HDMI Video Input fixed at Full HD @60 fps.
- 2x HDMI Video Output fixed at Full HD @60 fps.
- 2x SFP Connector for ARINC 818 Optical or 75-ohm Copper i/f for ARINC818 input and output channel.
- 1X Ethernet interface for GUI Application & System Initial Configuration.
- Cooling Method: Conduction cooled Aluminum enclosure with Heat pipe
- Operating temperature: Commercial and Industrial Grade

ARINC818 MCC Specs

- Link Rate: ARINC818-2 Link rate supports upto FC8x and 10Gbps
- Resolution: Standard/Custom resolutions up to 2k@60fps subjected to link rate.
- Frame rate: 25, 30, 50, and 60 fps.
- Pixel format: Monochrome, RGB, YcbCr
- Scan - Progressive (left to right, starting at top)

- Pixel Aspect ratio: 1:1
- Pixel Table Number: 8-bit Components, four components per transmission word.

GUI Highlights

- Intuitive design with clear navigation and labeled sections.
- Easily adjust ARINC link rates via GUI.
- ARINC Channel selection option.
- Individual ARINC configuration for different ARINC Channels.
- Supports standard and custom ARINC resolutions, frame rates, and SOF class.
- Auto-calculates ARINC video timings with custom options.
- Select HDMI or internal Test Pattern Generator as ARINC source.
- Control ARINC transmission and reception.
- View received ARINC resolution and color format for each channel.

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 818-2 Multi-Channel Converter

The device can be ordered online from the iWave website:
<https://www.iwavesystems.com/product/arinc-818-2-multi-channel-conversion-card/>

Or from our Local Partners in your Region:

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

YouTube Video

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INDIA

iWave Systems Tech. Pvt. Ltd.,
7/B, 29th Main, BTM Layout
2nd Stage, Bangalore-560076
Email: mktg@iwavesystems.com

JAPAN

iWave Japan, Inc.
8F-B, Kannai Sumiyoshi Building,
3-29, Sumiyoshi-cho, Naka-ku,
Yokohama, Kanagawa, Japan.
mktg@iwavesystems.com

EUROPE

International Sales & Marketing Europe
Venkelbaan 55 2908KE Capelle
aan den IJssel
The Netherlands
info@iwavesystems.eu

USA

iWave USA
1692 Westmont Ave.,
Campbell, CA95008
USA
info@iwavesystems.us