



# EUROPA

## ARINC 818 System and Recorder

The Europa's compact chassis provides convenience and ease of use to the ARINC 818 engineering development environment. This compact footprint ensures smooth access to system components during field and flight testing of ARINC 818 links. GRT will configure Europa with the requested functions.

### APPLICATIONS:

- Lab Testing
- Flight Testing
- Engineering Development
- Video and Protocol Analysis
- Robustness and Qualification Testing
- Video Generation, Capture, Record, and/or Playback

### CAPACITY:

- PCIe Cards: 2
- ARINC 818 Channels: 1-2
- ARINC 818 Recording Channels: 1
- Terabyte Storage: 4 1-Terabyte removable drives
- 500 GB 2.5" SATA 6.0 Gb/s SSD
- 2 x 16 GB DDR4 Memory

### FUNCTION OPTIONS:

- Video Capture to GUI
- Video Conversion (DVI)
- Video Recording/Playback
- Video Generation
- Protocol Analysis
- Robustness Testing
- Remote Control Ability

### CONFIGURATION OPTIONS:

- Video and Protocol Analysis  
PCIe card and VPA software accurately and efficiently verify compliance with your ICD and the ARINC 818 standard
- Robustness Testing  
PCIe card and XF Tuner software establish the desired protocol and timing for your system
- Video Generation  
Velocity cards and Velocity Test software configure and test ARINC 818 systems as well as diagnose link health
- Video Capture/Record/Playback  
Velocity frame grabber card, Velocity Test software, and StreamPix software record ARINC 818 video for analysis



### FEATURES:

- Mini-keyboard and mouse included
- Intel Core i7-6700TE Processor, 2.4 GHz
- Up to 2 channels factory configured to specific tasks
- StreamPix recording software

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## SPECIFICATIONS:

Operating System	Windows 10, 64-bit	Memory	2 x 16 GB DDR4
Power Requirement	9V ~ 36V DC	<b>* Connections:</b> <ul style="list-style-type: none"> <li>■ 1x HDMI+DP</li> <li>■ 1x VGA</li> <li>■ 4x USB 2.0</li> <li>■ 4x USB 3.0</li> </ul>	
Operating Temperature	-20 to 45°C (-4 to 113°F)		
Weight	< 14.3 lbs		
Physical Dimensions	6.1" x 10" x 8.1"		

**\*Note:** For a complete list of connections please contact GRT.

## HOW TO BUY:

See below for existing Europa (EU-) part number configurations. If the configuration you wish to purchase is not listed, please contact GRT.

Part Number	Configuration
EU-86-VPAXF3	VPA XF Tuner
EU-80-VPAXF-75	VPA XF Tuner <i>with 75Ω Coax Interface</i>
EU-81-VPA	VPA
EU-81-VPA-75	VPA <i>with 75Ω Coax Interface</i>
EU-82-XF	XF Tuner
EU-82-XF-75	XF Tuner <i>with 75Ω Coax Interface</i>
EU-83-VPAXI	VPA Velocity XI
EU-84-XI	Velocity XI
EU-85-XF	XF Tuner



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