

ARINC-818 Workstation

Comprehensive Solution for Building ARINC-818 Systems

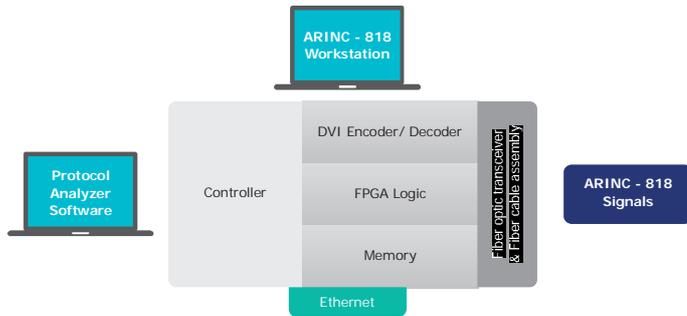
ARINC-818 Workstation

Comprehensive Solution for Building ARINC-818 Systems

ARINC-818 Workstation

- Generates ARINC-818 test patterns
- Receives ARINC-818 data and displays on a DVI display
- Takes DVI input and gives out ARINC-818 live video

In the receiver, the FPGA decodes ARINC-818 data. The ARINC protocol analyzer application reads & displays the analyzed data.



ARINC-818 Workstation Modules

Generator	Pattern Generator	Pattern Generator generates ARINC-818 test patterns which are built-in or frames down-loaded via Ethernet from PC Based software.
	Frame Grabber	Frame Grabber receives DVI video input & converts it to ARINC-818.
Display	Display module decodes ARINC-818 signals and outputs them to a DVI display	
Protocol Analyzer	Protocol Analyzer is used to analyze the incoming digital videos over fiber channel for compliance with ARINC- 818 standards	

Image

ARINC-818 Workstation Specifications

	Generator		Display	Analyzer
	Pattern Generator	Frame Grabber		
Input Signal	Static image	DVI	ARINC-818	ARINC-818
Output Signal	ARINC-818	ARINC-818	DVI	Video Frame data
PC Interface	Ethernet	Ethernet	Ethernet	Ethernet
Power Consumption	15W max	15W max	20W max	15W max
I/O Connector	LC Duplex Fiber Optic Connector			
Input Variants	Multi Mode 850nm or 1310nm, Single Mode 1510nm			
Link / Data-Rate	3.1875Gbps			
Power	12V DC, 3A max			
Temperature	0 0 C to 55 0 C (Operating); 0 0 C to 70 0 C (Storage)			
Frame Rate	60Hz			
Frame Size	1400 x 1050			
Frame Aspect Ratio	4:3			
Pixel Aspect Ratio	NA			
Image Resolution	1400 x 1050			
Scanning Method	Progressive			

Ordering Information

CST-ARINC818-WS: ARINC818 - Generator (Pattern Generator & Frame Grabber), Display & Analyzer

CST-ARINC818-GEN: ARINC818 - Generator (Pattern Generator & Frame Grabber)

CST-ARINC818-DPL: ARINC818 - Display

CST-ARINC818-ANZ: ARINC818 - Analyzer