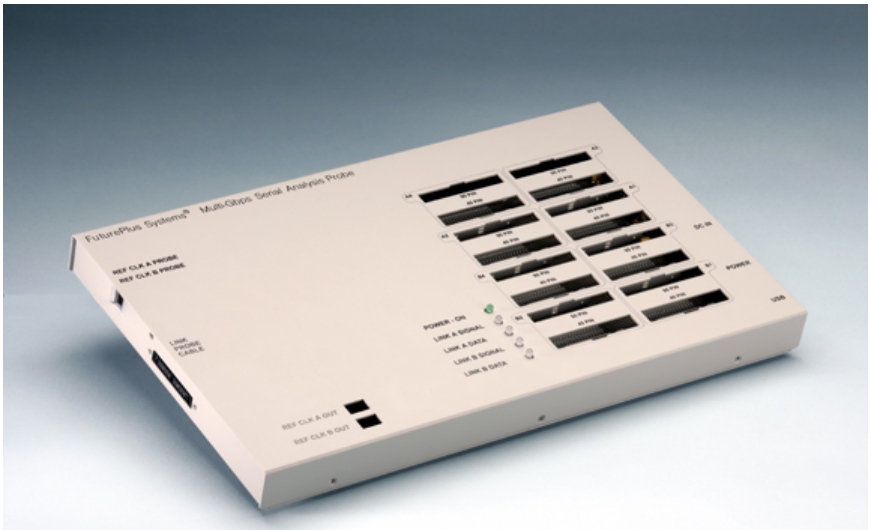
DisplayPort Analysis Probe

For use with Agilent Logic Analyzers

FuturePlus® Systems

Power Tools for Bus Analysis

- **Low cost DisplayPort analysis**
- **Supports Agilent 16900-series logic analyzers**
- **Includes protocol-decode software, probe configuration software, and automatic logic analyzer configuration software**



FS4430 DisplayPort Analysis Probe

Key Features

- Supports X1, X2, and X4 DisplayPort
- Data acquisition up to 2.7 GT/s
- Probe Manager software controls FS4430 via USB link and defines complex protocol aware filters for use with the logic analyzer
- Quad state LED's display instant port activity status
- Powerful Protocol Decode software decodes and displays Main Link and Auxiliary channel activity on the Agilent logic analyzer
- Choose ½ size footprint, interposer, or flying leads adapter cables to connect FS4430 to your target system
- Probe Manager software allows instant lane reversal and polarity inversion

Straightforward, Reliable DisplayPort Analysis

The FuturePlus FS4430 DisplayPort Analysis Probe provides a mechanical, electrical and software interface between an Agilent logic analyzer and the DisplayPort, a digital display interface standard supported by the Video Electronics Standards Association (VESA). The FS4430 is used to design and debug computer motherboards, monitors, home theater systems, and silicon chips incorporating DisplayPort technology.

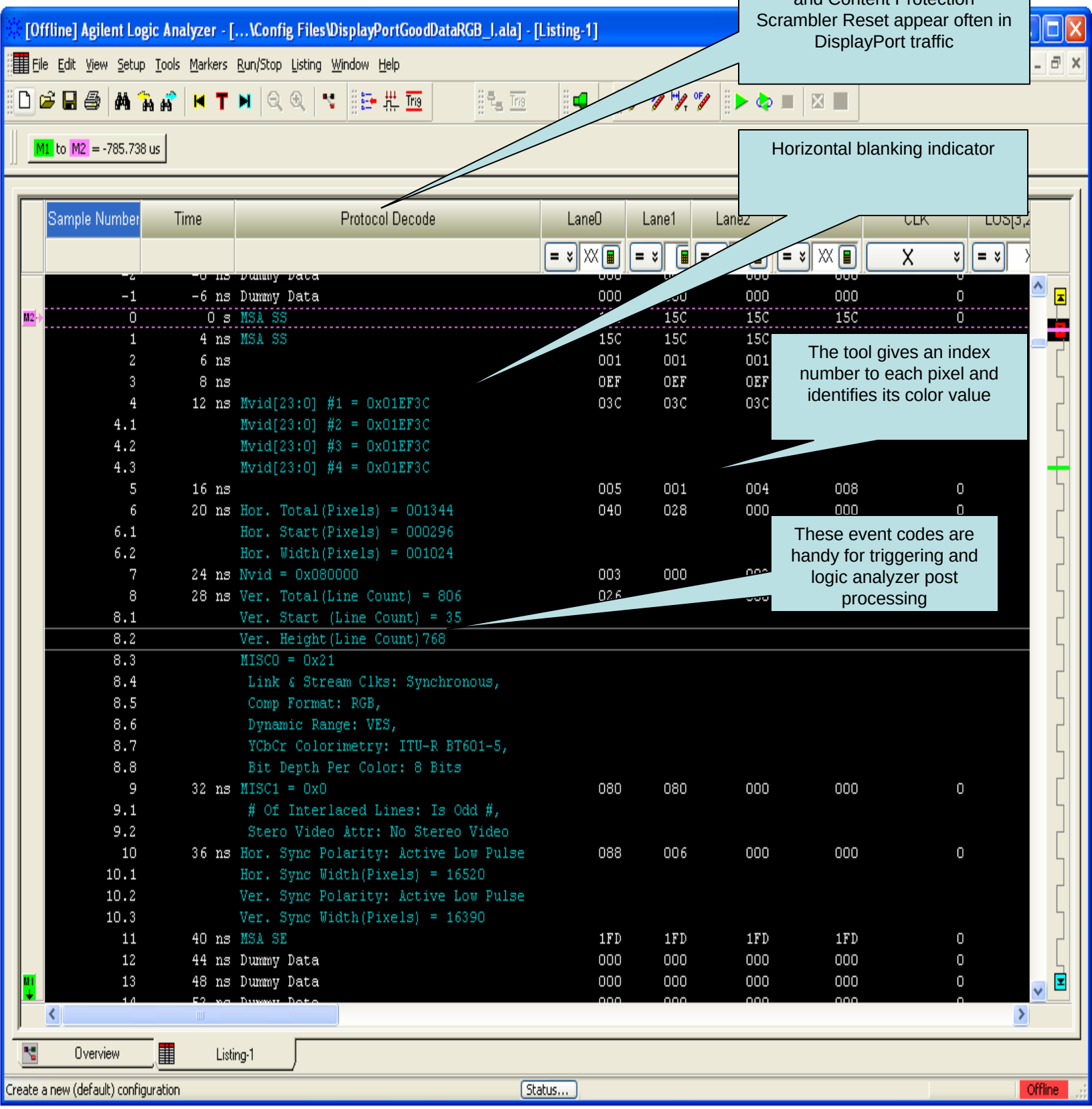
Helping you Design Tomorrow's Computers, Today

FuturePlus Systems is the technology leader in protocol analysis tools for the computer design industry. Our analysis probes and software help you monitor and verify complex activities on your advanced technology computer bus design. FuturePlus systems offerings include bus-analysis solutions for most popular computer buses. Visit www.futureplus.com for more information.

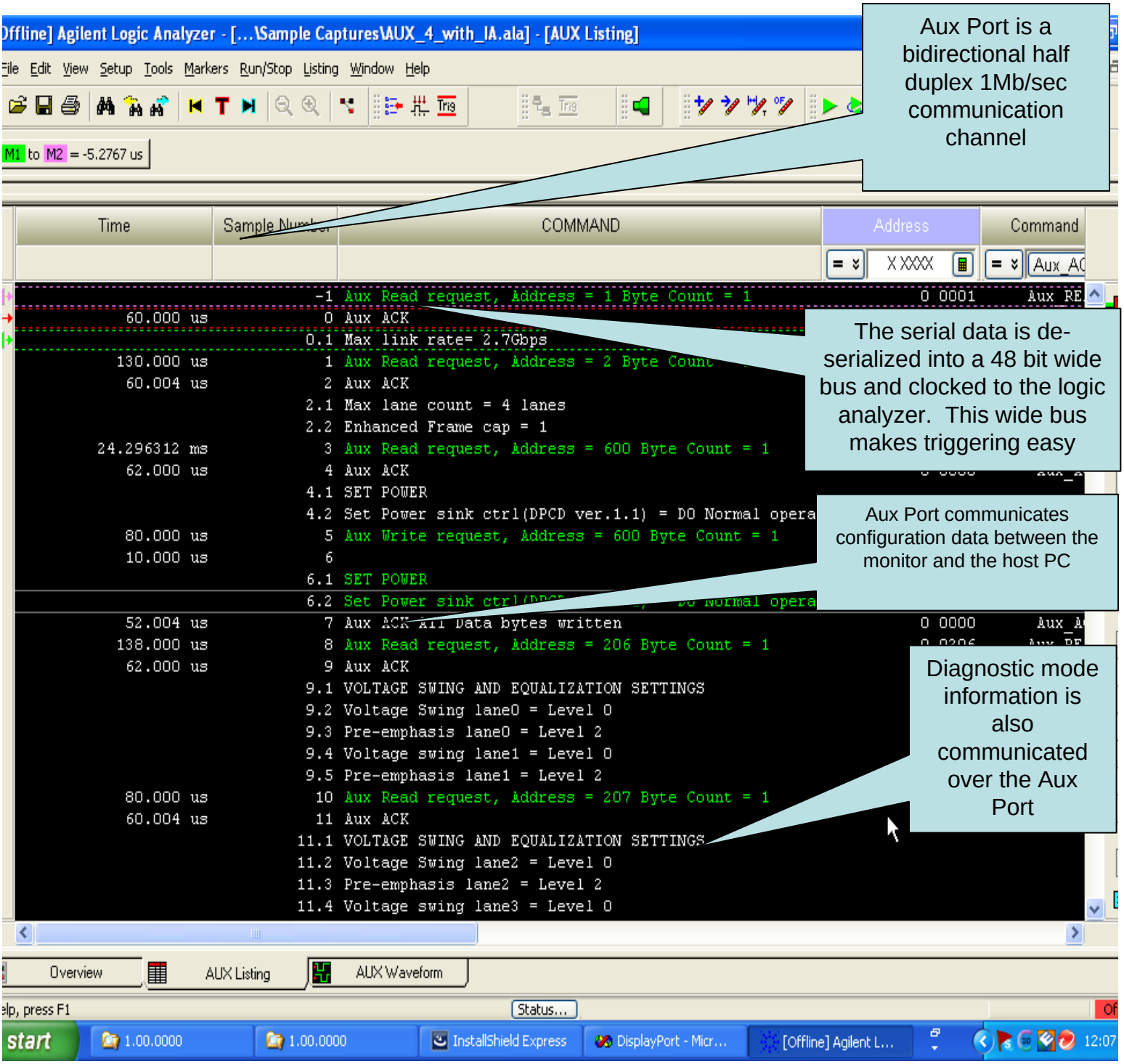
Agilent Technologies

Channel Partner

Main Link Native Agilent Protocol Decode



Aux Port Protocol Analysis



Aux Port is a bidirectional half duplex 1Mb/sec communication channel

The serial data is de-serialized into a 48 bit wide bus and clocked to the logic analyzer. This wide bus makes triggering easy

Aux Port communicates configuration data between the monitor and the host PC

Diagnostic mode information is also communicated over the Aux Port

Ordering Information

FS4430 – DisplayPort Analysis Probe for Main Link and Aux Port

FS4432 - DisplayPort Analysis Probe for Aux Port

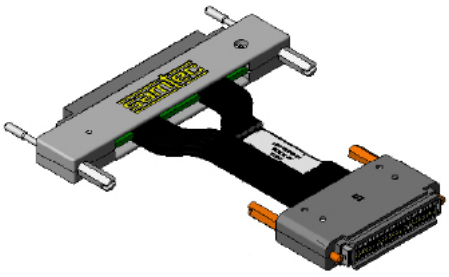
One of the following is required to connect the FS4430 to the target system:
FS1032 – ½ Midbus footprint Cable Adapter
FS1036 – Flying Leads Cable Adapter
FS1040 – Interposer Cable Adapter

The FS4432 includes the connection to the target system.

Software included with the FS4430 and FS4432:
Probe Manager, runs on a PC or the logic analyzer
Configuration files for the Agilent logic analyzer
Protocol Decoder software, runs on the Agilent logic analyzer

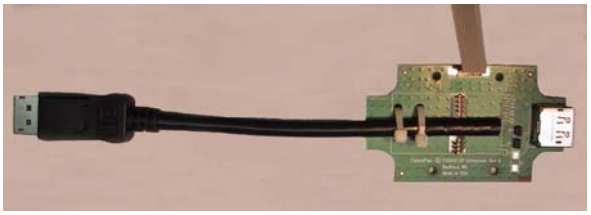
Logic Analyzer Requirements

- 68 channels required for X1-X4 Main Link, 270 MHz state acquisition.
- 68 channels required for Aux Port, 100 KHz state acquisition.
- Both 40 and 90 pin logic analyzer pods are supported.
- The Agilent logic analyzer plugs directly into the FS4430.



FS1032 ½ Size Midbus Cable Adapter

FS1036 Flying Leads Cable Adapter



FS1040 Interposer Cable Adapter

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