

FOR IMMEDIATE RELEASE

FuturePlus Systems Adds USB-C Power Delivery Analysis to FS4500 and FS4525 DisplayPort Protocol Analyzers

Merrimack, NH — October 25, 2025 — FuturePlus Systems, LLC today announced the availability of **FS4508 USB-C DisplayPort Power Delivery Analysis Software**, a new software feature that extends the capabilities of the **FS4500 and FS4525 DisplayPort Protocol Analyzers** to include full USB-C DisplayPort Power Delivery (PD) decode and analysis.

With USB-C now serving as both a high-speed data interface and a primary power path for modern computing platforms, engineers are increasingly challenged to debug complex interactions between DisplayPort signaling, USB-PD negotiation, cable behavior, and power role switching. The FS4508 software addresses this challenge by providing **comprehensive visibility into USB-C Power Delivery traffic for DisplayPort**, captured and decoded alongside DisplayPort AUX and main-link activity.

The FS4508 software presents all DisplayPort USB-PD transactions in a **time-ordered, human-readable format**, enabling engineers to quickly identify negotiation issues, power capability mismatches, and unexpected device behavior. Fixed, Variable, and Battery Power Data Objects (**PDOs**) are automatically decoded with voltage, current, and capability annotations, eliminating the need for manual packet interpretation.

Unlike conventional DisplayPort analysis approaches that rely on a **standard reference source and a standard reference sink**, FS4508 enables engineers to **analyze real DisplayPort Power Delivery traffic between any source and any sink**. This capability allows engineers to observe actual system behavior—including cable interactions and role negotiations—without altering the system under test.

“DisplayPort USB-C power issues are often intermittent, timing-sensitive, and difficult to isolate,” said **Barbara P. Aichinger, Vice President, New Business Development** at FuturePlus Systems. “By allowing engineers to see real DisplayPort Power Delivery traffic between their actual devices—not simulated endpoints—FS4508 provides insight that simply isn’t available with traditional USB-C debug tools.”

FS4508 supports DisplayPort-over-USB-C analysis for **DisplayPort 1.4 and DisplayPort 2.1** platforms and visually distinguishes message origin using **color-coded identification**—**blue for cable and VCONN activity, green for power sources (DFP), and gray for power sinks (UFP)**. This unified view enables rapid correlation between Power Delivery negotiation, AUX channel activity, and DisplayPort link behavior.

The **FS4508 USB-C DisplayPort Power Delivery Analysis Software** is available as an add-on for the **FS4500 and FS4525 DisplayPort Protocol Analyzers**. The product is sold **directly by FuturePlus Systems in the United States** and is available **internationally through a network of authorized resellers**.

For more information, visit www.futureplus.com.

About FuturePlus Systems

FuturePlus Systems, LLC is a leading provider of advanced protocol analysis tools for the computer design industry. FuturePlus delivers hardware and software solutions that enable engineers to analyze, validate, and troubleshoot high-speed interfaces including DisplayPort, USB-C, and memory subsystems. FuturePlus products are used worldwide by semiconductor vendors, system designers, and validation teams.

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