



Technical specifications are subject to change.

The **DDR71-Mini-SFPDP** is ideal for a mobile Serial Front-Panel Data Port recording requirement where size, weight, and power are limited, yet high-speed is critical. Link-interface options include **1/2/2.5/10 Gbaud** (factory pre-configuration).

The maximum capture/record rate is **10 Gbaud**, [Zero Frame-Loss].

Systems can be ordered with storage capacity-options for up to **7 hours** of full-rate recording.

Data is written in a standard binary file format and each recording session is broken-up into a multiple file sequence for enhanced data management.

Fast data-offload options include two available **USB 3.0 ports** or two **10GbE ports**.

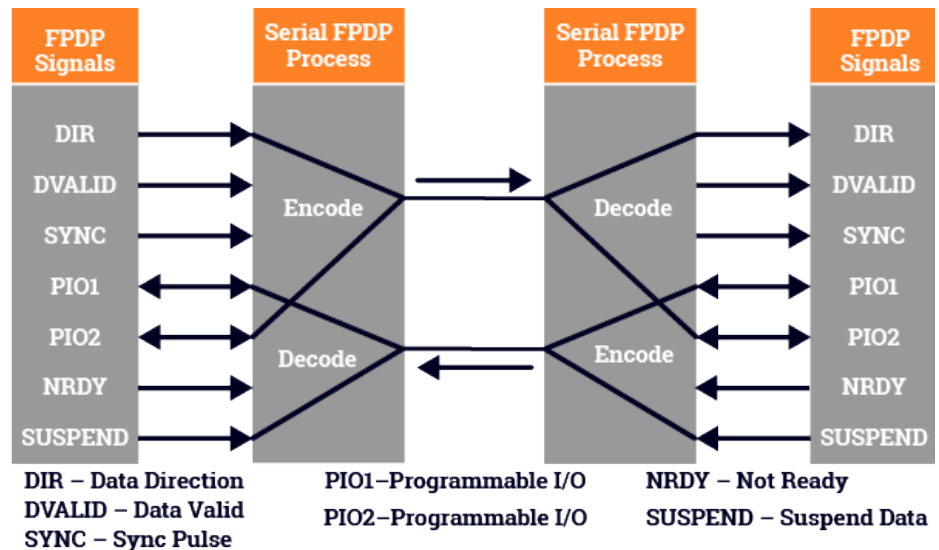
RECORDER APPLICATION EXAMPLES



VITA 17.3 SFPDP PROTOCOL

ANSI/VITA 17.3-2018 describes an open standard for the **third generation "Serial FPDP"**, a high-speed low-latency serial communications protocol designed as the successor to VITA 17.1.

SFPDP has been used for high-speed data transfer applications, such as **Radar and Medical Imaging**.



Performance	<ul style="list-style-type: none"> ✓ 4 x 1Gbaud, 4 x 2Gbaud, 4 x 2.5Gbaud, 4 x 10Gbaud ✓ Zero frame-loss capture/record throughput 10Gbaud(997MBytes/sec)
Protocol Interfaces	<ul style="list-style-type: none"> ✓ SFPDP VITA 17.3, VITA 17.1
Supported Optical Transceivers	<ul style="list-style-type: none"> ✓ SFP+ modules: Multi-mode SR and single-mode LR
Hardware Time Stamp	<ul style="list-style-type: none"> ✓ Resolution: 1 ns, Stratum 3 compliant TCXO ✓ Time formats: PCAP-ns/-µs, UNIX 10 ns, 1 ns
Timing/Synchronization	<ul style="list-style-type: none"> ✓ PPS Interface for time synchronization with µsecond resolution
Data Format	<ul style="list-style-type: none"> ✓ Standard binary format
Storage Options	<ul style="list-style-type: none"> ✓ NVMe NAND Flash (Enterprise) ✓ 1.92TB(16.8TBW), 3.84TB(29.4TBW), 8TB(58.4TBW), 11TB(80.3TBW) ✓ With an extended cover: 16TB(116.8TBW), 22TB(160.6TBW) ✓ Storage in TB with endurance TBW(Total Bytes written in PB) ✓ SSD endurance TBW is based on 128K sequential writing
CPU & Memory	<ul style="list-style-type: none"> ✓ Xeon SoC: Options from 4 to 16 cores ✓ System memory: Options from 32GB to 256GB
Peripherals	<ul style="list-style-type: none"> ✓ 2 x USB 3.0 Ports, 2 x 10GBase-T (Data Offload) ✓ Optional 4 x 1GBase-T, 2 x 10G SFP+ LAN (Data Offload) ✓ 1 x VGA Display ✓ Power Switch, Reset Switch & 6x LED Indicators
Data Offload Options	<ul style="list-style-type: none"> ✓ 2 x USB 3.0 Ports, 2 x 10GBase-T ✓ Optional 4 x 1GBase-T, 2 x 10G SFP+ LAN
Temperature	<ul style="list-style-type: none"> ✓ Operating temperature: 0 °C to 40 °C (32 °F to 104 °F) ✓ Operating humidity: 10~85% (non-condensing)
System Cooling	<ul style="list-style-type: none"> ✓ 3 x 4cm PWM cooling fan(s) 13K RPM
Power Supply	<ul style="list-style-type: none"> ✓ 12VDC ✓ 150W AC-DC external power adapter with Input 100 – 240Vac, 50-60Hz
Dimensions & Weight	<ul style="list-style-type: none"> ✓ H 1.7" (43 mm) x W 10" (254 mm) x x D 8.9" (226 mm). ✓ Weight: 6lbs (2.8kg)
Expanded Storage Option with Extended Cover	<ul style="list-style-type: none"> ✓ H 2.8" (71 mm) x W 10" (254 mm) x x D 8.9" (226 mm). ✓ Weight: 7lbs (3.2kg)
What's included	<ul style="list-style-type: none"> ✓ Durable Transportation Case