APOGEE LABS

2025
Depack2 Depacketizer Module

FEATURES

- Demultiplexes composite data for transmission to application modules
- CCSDS compatible
- Supports rates from 200 Kbps to 19.44 Mbps

- Supports 1ms or 10ms sample intervals
- Receives user entered notes
- Reports link status
- Supports DS1/DS3 and OC3 link interface modules

OVERVIEW

The Depack2 module receives composite data that originates from either a Model 2024 Packetizer or Model 4003 APACK1 as either serial TTL data or parallel data on the PDI. This composite data is formatted as a synchronous transfer frame, which contains the source packets of each active data channel. This data is separated and transmitted to the output channels over the demultiplexer bus.

The Depack 2 supports specific communication circuits such as DS1/DS3 and OC3 link modules. The parallel and serial interfaces are both available for use by these circuits.

The 2025 is used in conjunction with the Apogee Labs' 2024 Pack2 and 4003 APACK1 modules.

SPECIFICATIONS

GENERAL

- Single slot module
- Compatible with AL4300 series Multiplexer/ Demultiplexer
- CCSDS compatible composite transfer frames
- Remote control capability

INPUTS

- Serial data and clock: TTL levels; NRZ-L data with 0° clock; 200 Kbps to 35 Mbps
- 8 bit parallel input; PECL levels; used in conjunction with Apogee Labs 2026 DS3IF, 2027/2032/2035/2055 OC3IF modules; 25 Kbps to 19.44 Mbps
- Receives user entered notes

COMPLEMENTARY HARDWARE

- 4003 APACK1
- 2024 Pack2

www.apogeelabs.com
info@apogeelabs.com

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210 South Third Street, North Wales, PA 19454
(T) 215-699-2060