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DATASHEET GRAB-D-USB3.1-HUB-4X

Industrial USB3.1 Gen 2 hub with 4 USB ports, supporting speeds up to 10Gbps.



Highlights

- USB 3.1 Gen 2 (10Gbps) 4-port Hub
- Designed with VL820 (USB 3.1 Gen 2 Compliant Hub, TID# 5030000002)
- Supports USB 3.1 SuperSpeed Plus (10Gbps), SuperSpeed (5Gbps), USB 2.0 Hi-Speed (480Mbps), Full-Speed (12Mbps), and Low-Speed (1.5Mbps)
- Power Input Range: DC 9 ~ 24V (max. 5.0A)
- Rugged Metal Housing design
- USB cable ports
- UFP (Upstream Facing Port): USB 3.1 Standard Micro-B Receptacle, TID# 361000096
- DFP (Downstream Facing Port): Four USB 3.1 Standard A-type Receptacle, TID# 360000145
- Provides USB 3.0 Vision Standard cable port lock mechanism
- No Special Driver Requirements; Works Seamlessly With Any Operating System With USB Stack Support

Introduction

GRAB-D-USB3.1-HUB-4X is a high-performance four port Universal Serial Bus (USB) 3.1 Gen 2 (10Gbps) compliant Hub.

One upstream port and four downstream ports support not just SuperSpeed Plus (10Gbps) transfer, but are also backwards compatible with previous USB specifications and offer support for SuperSpeed (5Gbps), Hi-Speed (480Mbps), Full-Speed (12Mbps), and Low-Speed (1.5Mbps) traffic.

GRAB-D-USB3.1-HUB-4X allows for a maximum data transfer rate of up to 10Gbps, or twenty times the throughput available to USB 2.0 based devices. Other enhancements provide for improved interaction between device and host controller, including important advancements in power management.

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substituted for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation, and testing of the products with respect to the relevant specific application or use thereof. Neither GeT Cameras nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein or incorrect information in this document.

Technical Specifications

USB 3.1 Compliant Hub	<ul style="list-style-type: none"> • Compliant to Universal Serial Bus 3.1 Specification • SuperSpeed Plus USB (USB 3.1 Gen 2) • Compliant to Universal Serial Bus 2.0 Specification • USB 2.0 Hub Support MTT • Supports Simultaneous Operation of Any Combination of Super-speed Plus (SSP), Super-speed (SS), high-speed (HS) and full-speed (FS) and Low-Speed (LS) Device • Supports USB Power Saving Features such as Link Power Management, Ux States, Selective Suspend, and Function Suspend
GRAB-D-USB3.1-HUB-4X Power	<ul style="list-style-type: none"> • DC Power input Connector: MINI-COMBICON Header • Power Input Range: DC 9 ~ 24V (max. 8.0A)
Self-powered operation.	
DFP (Downstream Facing Port) USB Bus Power	<ul style="list-style-type: none"> • Each DFP (P1 ~ P4) can supply up to 2.0A • Supports Per Port Power Switching and Over-Current Notification • Single Channel Current-Limited Power Switch (UL File Number E322375)
Provides USB 3.0 Vision Standard cable port lock mechanism	<ul style="list-style-type: none"> • UFP (Upstream Facing Port): Two holes for the jack-screws of USB Micro-B Plug with Jackscrew lock Cable • DFP (Downstream Facing Port): Two holes for the jack-screws of USB A Plug with Jackscrew lock Cable
Certifications	<ul style="list-style-type: none"> • CE Test: Pass • FCC Test : Pass • VCCI Test: Pass • RCM : Pass
Dimensions	<ul style="list-style-type: none"> • 21.46(H) x 93 (W) x 62.17 (D) mm • NW.:188.7g

Mechanical drawing

Not Available