

The DR300 is a high efficiency, USB HUB designed to allow Multiple USB Devices to charge regardless of connection to a PC. With a maximum 2.4 volts per channel, 5A total load. The operating supply voltage range is from 20V down to 4V, This gives the opportunity to charge phones tablets, body worn cameras and mics. All while still operating as computer interface device.



## DR-300 USB Power Hub Ruggedized Powered USB Hub

- USB 2.0 Hub
- 6' USB B-Male to A-Male Uplink Cable
- 3' Power Cable
- Owner's Manual



### Designed for Demanding Mobile Environments

Input Voltage:

- 5 to 20 Volts DC

Operating Temperature

- -40°F to 185°F

Power Output:

- 2.4 Amps per channel
- Simultaneous charging on all 4 USB ports
- 5 Amp Maximum Total Output

Ports:

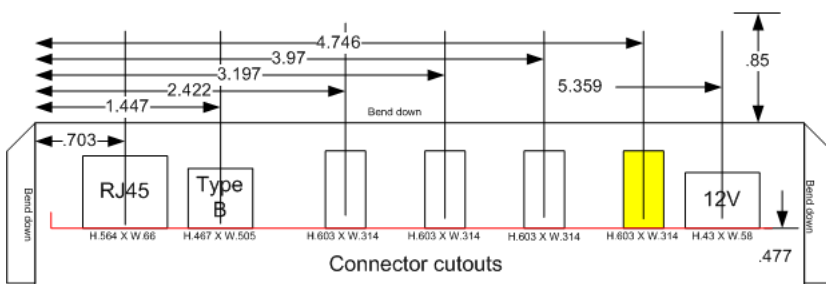
- Upstream Type-B USB
- 4 Type-A USB 2.0 Outputs
- 1 Ethernet RJ45 10/100



For Technical Support: [www.MNSTAR.com](http://www.MNSTAR.com) or [Sales@MNSTAR.com](mailto:Sales@MNSTAR.com)



## DR-300 USB Power Hub Ruggedized Powered USB Hub for Mobile Environments Total Maximum Output: 5A



**Gamber-Johnson Item No.:**  
**16019- Ruggedized Powered  
USB Hub (DR300)**

# 16019- Ruggedized Powered USB Hub (DR300)

Distributed by:



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## Highlights

- Four downstream ports, one upstream port
- Four integrated downstream USB 2.0 PHYs
- One integrated upstream USB 2.0 PHY

## Key Features

### USB Hub

- Fully compliant with Universal Serial Bus Specification Revision 2.0
- HS (480 Mbps), FS (12 Mbps), and LS (1.5 Mbps) compatible
- Four downstream ports, one upstream port
- Port mapping and disable support
- Port Swap: Programmable USB diff-pair pin location
- PHY Boost: Programmable USB signal drive strength
- Select presence of a permanently hardwired USB peripheral device on a port by port basis
- Advanced power saving features— Downstream PHY goes into low power mode when port power to the port is disabled
- Full Power Management with individual or ganged power control of each downstream port
- Integrated USB termination Pull-up/Pull-down resistors
- Internal short circuit protection of USB differential signal Pins

### High-Performance 10/100 Ethernet Controller

- Fully compliant with IEEE802.3/802.3u
- Integrated Ethernet MAC and PHY
- 10BASE-T and 100BASE-TX support
- Full- and half-duplex support with flow control
- Preamble generation and removal
- Automatic 32-bit CRC generation and checking
- Automatic payload padding and pad removal
- Loop-back modes
- TCP/UDP checksum offload support
- Flexible address filtering modes
- One 48-bit perfect address
- 64 hash-filtered multicast addresses
- Pass all multicast
- Promiscuous mode
- Inverse filtering
- Pass all incoming with status report
- Wakeup packet support
- Integrated Ethernet PHY
- Auto-negotiation, HP Auto-MDIX
- Automatic polarity detection and correction
- Energy Detect

### Software

- Windows 2000/XP/Vista Driver
- Linux Driver
- Win CE Driver
- MAC OS Driver
- EEPROM Utility

### Packaging

- 64-pin QFN, lead-free RoHS compliant

### Environmental

- Industrial Temperature Range (-40°C to +85°C)
- ±8kV HBM without External Protection Devices
- ±8kV contact mode (IEC61000-4-2)
- ±15kV air-gap discharge mode (IEC61000-4-2)

<b>Environmental</b>	<b>MNSTAR DR300</b>
Max. Operating Temp	185° F
Min. Operating Temp	-40° F
<b>Interface Provided</b>	
Connector Type:	Type B
Qty:	1 6 Foot
Type:	USB 2.0
Connector Type:	Type A
Qty:	4
Connector Type:	RJ-45
Interface:	Ethernet 10Base-T/100Base-TX
Transfer Rate	
<b>Miscellaneous</b>	
Compliant Standards:	FCC, RoHS
Mounting Kit:	Included
<b>Networking</b>	
Compliant Standards:	USB 2.0
Features:	Over-Voltage Protection for powered outputs. Rugged Design for Mobile Applications. Powered Outputs can charge devices regardless of presence of uplink computer.
Ports Qty:	4
Status Indicators:	Port Status, Power Available
<b>Software</b>	
Type:	Drivers & Utilities
<b>Dimensions &amp; Weight</b>	
Dimension & Weight (Excluding Cable Mounting Bracket)	
Depth:	3"
Height:	1.3"
Weight:	< 1 lbs
Width:	7.3"
<b>Cable Details</b>	
Included Qty:	Power Cable and USB Uplink Cable
Ports	
Qty:	4
Type:	USB 2.0
Ports (2nd)	
Qty:	1
Type:	10/100
<b>Powered Outputs</b>	
Recommended Input Fuse	5 Amp
Input Voltage	5 to 20 Volts
Total Device Output Current	5 Amps @ 5.1 Volts
Max Per Channel	2.4 Amp @ 5.1 Volts

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