TG5015 Data Sheet

USB3.0 (Super-speed)

5-slot card reader

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Revision History

Version	Date	Note
0.9	July, 2011	Preliminary

1. General description

TG5015 equipped with the most updated USB3.0 super speed interface which supports up to 5Gbps data transfer rate and backwards compatible with high speed USB2.0 and full speed USB1.1 interfaces.

There are 5 slots designed for most kind of memory cards in different shape:

1st slot: SD(HC,XC)/ MMC

2nd slot: xD

3rd slot: MS(proDuo)

4th slot: MicroSD/M2

5th slot: CF(UDMA7)

Simultaneously memory card operation is allowed, due to the TG5015 build-in high performance silicon controller with independent memory card interfaces.

2. Electronic characteristics

2.1 Storage conditions

Parameter	Symbol	MIN	MAX	Units
Storage Temperature	Ta	-20	70	℃
Humidity	Ha	0	90	%RH

2.2 Operation conditions

Parameter	Symbol	MIN	TYP	MAX	Units
Operating Temperature	Ta	0		60	℃
5.0v Supply Voltage	V5IN	4.75	5.0	5.5	V

3. Package information

(1) Carton size: TBA

(2) Quantity: TBA

(3) Net weight: TBA

4. Product Dimension

(1) Product dimension: 92mm(L)x 52mm (W)x 1.6mm (H)

(2) Gross weight: about 2.8g

(3) Colours: Dark black, Milk white, Blue

5. Technical specification

#	Item	Description
1	Model (TG5015)	USB3.0 5-slot card reader(5 Icons)
2	IC	GL3220-02 (128 pin)
3	Power consumption	Standby: 170mA Working: Depends on how many cards you insert 1 card: About 250mA (est.) 2 cards: About 280mA (est.) 3 cards: About 300mA (est.) 4 cards: About 340mA (est.) 5 cards: About 470mA (est.)
4	Memory card support	SD(HC,XC)/MMC, xD, MS (ProDuo),M2/ MicroSD, CF(UDMA7)
5	Memory card write protect	SD write protection switch detection
6	USB Power	DC5V ± 0.2V
7	Memory card power	DC3.3V ± 0.3V
8	Host interface	USB 3.0 ,USB2.0 USB1.1
9	USB device/Interface class	Mass Storage Class
10	Data transfer mode	Bulk data read/write
11	LED	Media insert: Blue LED On --- for U3 mode Access/ Read/ Write: Blue LED Blinking
12	USB Vender / Product Ｉ D	Nil
13	USB Power mode	Bus Power Mode
14	Computer Host Connector	U3 micro B type (Female) USB Connector
15	Working Environment (U3 mode)	Microsoft Windows XP /7/Vista/Server 2008 Release 2
16	Size	97 mm x 58 mm x 1.8 mm
17	Weight	About 28 g
18	Working temperature	0˚C~ 50˚C, 20~ 80%RH
19	Cable	50 cm w/o A type connector (male)

6. Photographic

Fig. 6-1: TG5015 mock-up