



Time to USB 10G Tee Off

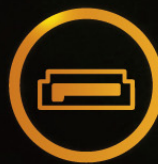
A N E W E R A o f H I G H S P E E D S T O R A G E



**USB3.1
Gen II 10G**



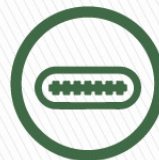
**PCIe
Gen III 8G**



**SATA
Gen III 6G**



USB, SATA, PCIe and RAID Product Family



**USB 3.1
Gen II 10G**



**PCIe
Gen III 8G**



**SATA
Gen III 6G**

USB3.1 GenX Single Port Family

Part Number	JMS580	JMS576	JMS578	JMS583	JMS901
Upstream Port	USB 3.1 Gen2	USB 3.1 Gen1	USB 3.1 Gen1	USB 3.1 Gen2	USB 3.1 Gen1
Downstream Port	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	PCIe Gen3 x2	UFS 2.1 x 1
USB-C Support	Yes	Yes	N/A	Yes	Yes
External ROM I/F	SPI	SPI	SPI	SPI	SPI
CLK	25MHz	30MHz	30MHz	25MHz	Cystal-less / 25MHz
Operation Mode	500mW	400mW	400mW	700mW	600mW
Suspend Mode	< 12.5mW	< 12.5mW	< 12.5mW	< 12.5mW	< 12.5mW
EMI Capability	Under 6dB	Under 6dB	Under 6dB	Under 6dB	Under 6dB
ESD Capability (Air/Contact)	8KV/4KV	8KV/4KV	8KV/4KV	8KV/4KV	8KV/4KV
Performance - Sequential R/W	560MB/s	450MB/s	450MB/s	1000MB/s	> 400MB/s
Package	QFN48	QFN48	QFN48	QFN64	QFN56

USB 3.1 GenX Multiple Port Family

Part Number	JMS561(U)	JMS562	JMS590	JMS591
Upstream Port	USB 3.1 Gen1	USB 3.1 Gen1	USB 3.2 Gen2x2	USB 3.2 Gen2x2
Downstream Port	SATA 6Gb/s x2	SATA 6Gb/s x2	SATA 6Gb/s x2	SATA 6Gb/s x5
External ROM I/F	SPI	SPI	SPI	SPI
CLK	30MHz	30MHz	25MHz	25MHz
Port multiplier/Selector	Support	Support	Support	Support
RAID Engine	0/1 (Clone)	0/1	0/1	0/1/5/10
Suspend mode	< 12.5mW	< 12.5mW	< 12.5mW	< 12.5mW
EMI Capability	Under 3dB	Under 3dB	Under 3dB	Under 3dB
ESD Capability (Air/Contact)	8KV/4KV	8KV/4KV	8KV/4KV	8KV/4KV
Performance - Sequential R/W	450MB/s	450MB/s	1100MB/s	2200MB/s
Package	QFN64(48)	QFN76	QFN64	QFN88

SATA Multiple Ports Family

Part Number	JMB575	JMB572	JMB393	JMB585	JMB582
Upstream Port	SATA 6Gb/s	SATA 6Gb/s	SATA 3Gb/s	PCIe Gen3 x2	PCIe Gen3 x1
Downstream Port	SATA 6Gb/s x5	SATA 6Gb/s x2	SATA 3Gb/s x5	SATA 6Gb/s x5	SATA 6Gb/s x2
External ROM I/F	SPI	SPI	SPI	SPI (option)	SPI (option)
CLK	25MHz	25MHz	25MHz	25MHz	25MHz
Port multiplier/Selector	Support	Support	Support	Support	Support
RAID Engine	N/A	N/A	0/1/10/5	N/A	N/A
EMI Capability	Under 3dB	Under 3dB	Under 3dB	Under 3dB	Under 3dB
ESD Capability (Air/Contact)	8KV/4KV	8KV/4KV	8KV/4KV	8KV/4KV	8KV/4KV
Performance - Sequential R/W	500MB/s	500MB/s	260MB/s	1700MB/s	850MB/s
Package	QFN64	QFN48	QFN64	QFN76	QFN48

Standards Adherence





CORE TECHNOLOGIES



Analog and Mixed Signal Design

- Strong analog and mixed signal design capabilities
- Time to market product design



Circuit Design and Process Know-how

- Advanced process know-how, 0.18um > 0.13um > 0.11um > 85nm > 55nm
- Directly helps to achieve a lower gate count and smaller die size



System Knowledge and In-House IPs

- Helps in delivering total solution
- In-depth understanding of end-systems

Founded in 2001, JM Micron Technology Corp. is an industry-leading fabless IC design company, specializing in designing high speed interface application to external storage field; USB to one or dual SATA bridge controllers and SATA to SATA port multipliers.

JM Micron provides a full product line-up and advanced technology to optimize customer's productivity.

JM Micron works in close collaboration with HDD OEMs and external storage device manufacturers. Our diverse peripheral device product portfolios range from USB 3.1 Gen II, USB 3.1 Gen I and USB 2.0 to Fire Wire storage solutions, which power the full spectrum of external storage devices including single-, two-, and multiple-bays hard disks, SSDs, Blu-ray/DVD/CD drive, and Network Access Storage (NAS) devices with RAID functions.

Storing The World · Bridging The Future



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