



COMMON

DIGITAL INTERFACES

SPECIFICATION GUIDE



PARTIALLY COMPILED BY ZAK RAY

	RAW BANDWIDTH	TRANSFER SPEED	MAX CABLE LENGTH	POWER PROVIDED	DEVICES PER CHANNEL
USB 2.0	480 Mbit/s	60 MB/s	5 meters	2.5W, 5V	127 (with hub)
USB 3.0	5 Gb/s	625 MB/s	3 meters	4.5W, 5V	127 (with hub)
FIREWIRE 400	393 Mbit/s	49.13 MB/s	4.5 meters	15W, 12-25V	63 (with hub / daisy-chaining)
FIREWIRE 800	786 Mbit/s	98.25 MB/s	100 meters	15W, 12-25V	63 (with hub / daisy-chaining)
FIREWIRE 3200	3Gb/s (3144 Mbit/s)	393 MB/s	100 meters	15W, 12-25V	63 (with hub / daisy-chaining)
PATA (IDE)	1Gb/s (1064 Mbit/s)	133 MB/s	.46 meters	None	2
SATA	1.5Gb/s	150 MB/s	1 meters	None	1 per line
SATA II	3Gb/s	300 MB/s	1 meters	None	1 (15 with port multiplier)
ESATA	3Gb/s	300 MB/s	2 meters with eSATA HBA (1 with passive adapter)	None	1 (15 with port multiplier)
SAS	3Gb/s	375 MB/s	8 meters	None	4
ULTRA-320 SCSI	2.5Gb/s (2560 Mbit/s)	320 MB/s	12 meters	None	15 (plus the HBA)
FIBRE CHANNEL (COPPER)	4Gb/s	400 MB/s	12 meters	None	126 (16,777,216 with switches)
FIBRE CHANNEL (FIBER)	10.5Gb/s (10520 Mbit/s)	2 GB/s	2 - 50,000 meters	None	126 (16,777,216 with switches)
INFINIBAND 12X QUAD-RATE	120Gb/s	12 GB/s	5 meters (copper), over 10,000 meters (fiber)	None	1 with point-to-point (many with switched fabric)