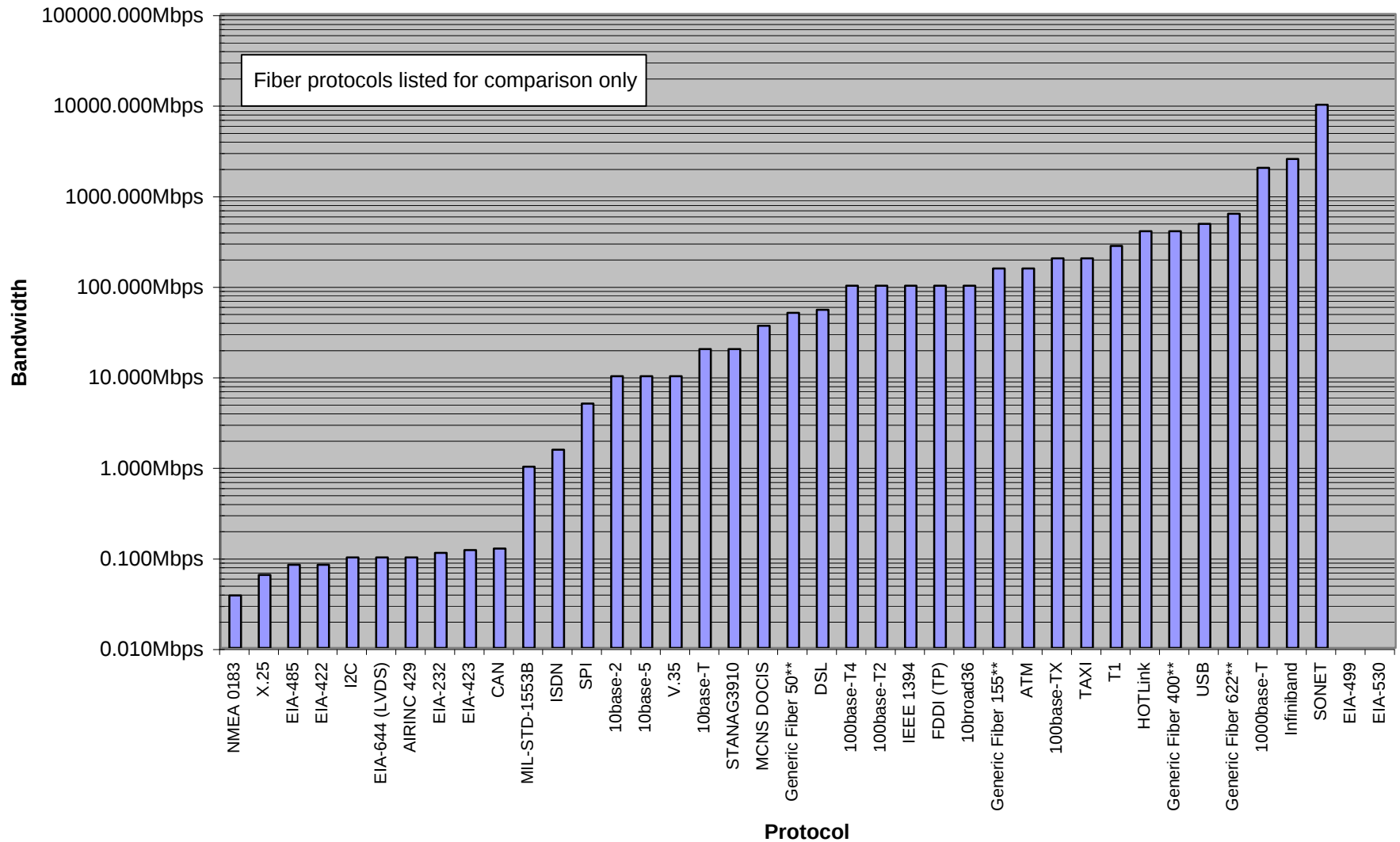


Spec Name	Supplier	Bandwidth*	Max Distance	Power	Product
NMEA 0183	Texas Instruments	0.038Mbps	1200m	190mW	0.24
X.25		0.064Mbps		0mW	0.01
EIA-485	Texas Instruments ?	0.083Mbps	1200m	190mW	0.52
EIA-422	Maxim	0.083Mbps	1200m	1320mW	0.08
I2C	Philips	0.100Mbps	275m	528mW	0.05
EIA-644 (LVDS)	Texas Instruments	0.100Mbps	1000m	234mW	0.43
AIRINC 429	Data Device Corporation	0.100Mbps		300mW	0.00
EIA-232	Maxim	0.112Mbps	15m	13mW	0.13
EIA-423	Texas Instruments	0.120Mbps	1200m	3360mW	0.04
CAN	Microchip	0.125Mbps	400m	100mW	0.50
MIL-STD-1553B	Data Device Corporation	1.000Mbps	100m	5000mW	0.02
ISDN	Motorola	1.544Mbps	6000m	500mW	18.53
SPI		5.000Mbps		0mW	0.01
10base-2	Cypress & Crystal Semiconductor	10.000Mbps	300m	1710mW	1.75
10base-5	Cypress & Crystal Semiconductor	10.000Mbps	1000m	1710mW	5.85
V.35		10.000Mbps		3540mW	0.00
10base-T	Crystal Semiconductor	20.000Mbps	100m	270mW	7.41
STANAG3910		20.000Mbps		0mW	0.01
MCNS DOCIS	Broadcom	36.000Mbps		1260mW	0.01
Generic Fiber 50**		50.000Mbps	20000m	500mW	2000.00
DSL	Broadband	54.000Mbps	5500m	2000mW	148.50
100base-T4		100.000Mbps	100m	0mW	0.01
100base-T2		100.000Mbps	100m	0mW	0.01
IEEE 1394	NEC	100.000Mbps	100m	308mW	32.51
FDDI (TP)	National Semiconductor	100.000Mbps	100m	1350mW	7.41
10broad36	Broadcom	100.000Mbps	3700m	0mW	0.01
Generic Fiber 155**		155.000Mbps	20000m	850mW	3647.06
ATM	Motorola	155.000Mbps		1980mW	0.00
100base-TX	National Semiconductor	200.000Mbps	100m	1350mW	14.81
TAXI	Cypress	200.000Mbps	100m	1612mW	12.41
T1	Maxim	274.176Mbps	1524m	495mW	844.13
HOTLink	Cypress	400.000Mbps	300m	1200mW	100.00
Generic Fiber 400**		400.000Mbps	20000m	1150mW	6956.52
USB	Texas Instruments	480.000Mbps	5m	297mW	8.08
Generic Fiber 622**		622.000Mbps	20000m	1150mW	10817.39
1000base-T	Crystal Semiconductor	2000.000Mbps	100m	7728mW	25.88
Infiniband	Cypress	2500.000Mbps	17m	5280mW	8.05
SONET	Cypress	9953.280Mbps	300m	5280mW	565.53
EIA-499				0mW	0.01
EIA-530				25000mW	0.00
					0.01

* Bandwidth is at specified distance. Maximum bandwidth may be greater at shorter distances

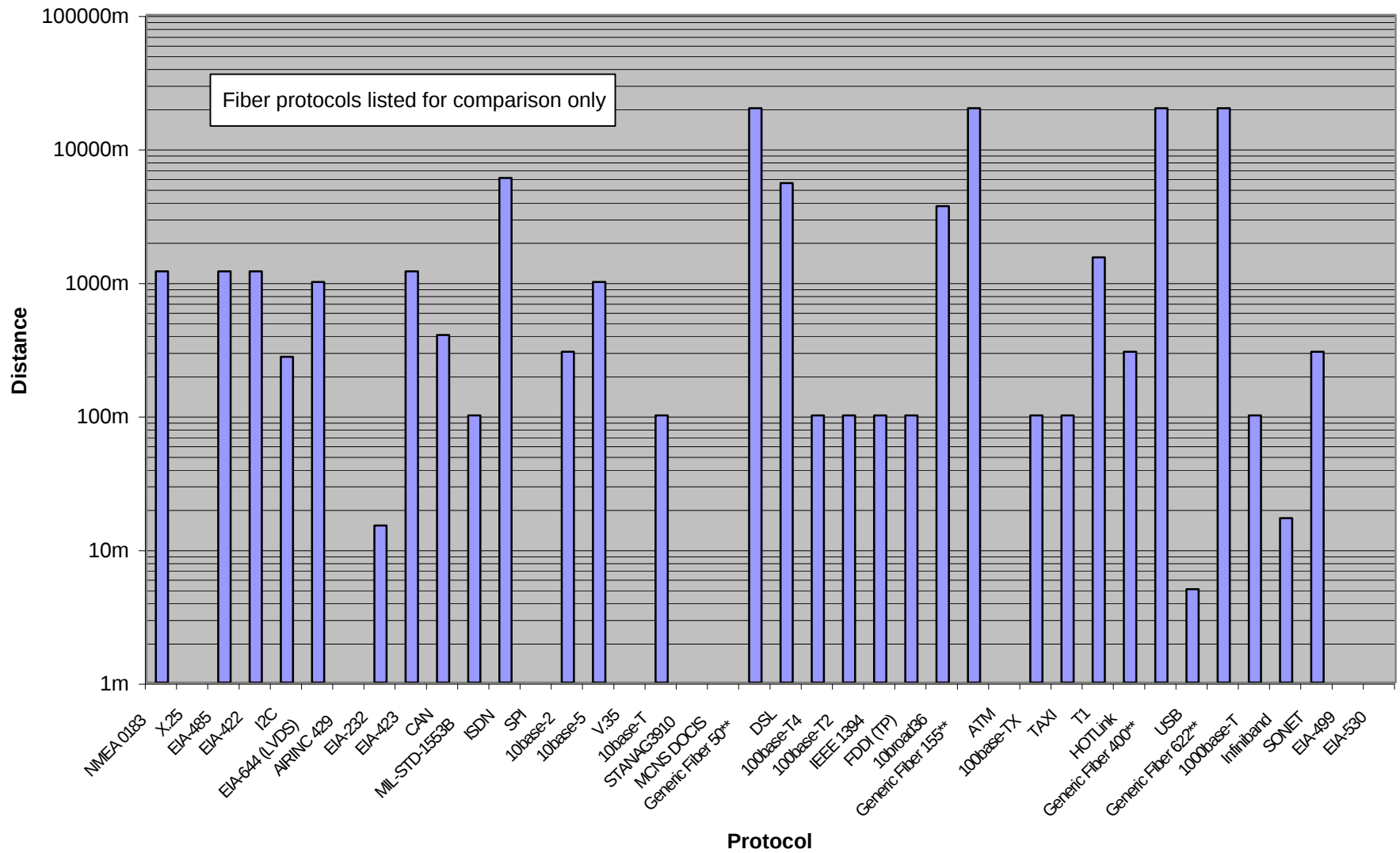
** Fiber protocols listed for comparison only

Copper Media - Protocol Bandwidths



A Study of Copper Communication Protocols

Copper Media - Distance



Copper Media - Power

