

STMICROELECTRONICS ETHERNET TRANSCEIVERS

The ST802RT1x is a high-performance fast Ethernet physical layer interface for 10Base-T, 100Base-TX and 100Base-FX applications. It is designed using advanced CMOS technology to provide MII and RMII interfaces for easy attachment to 10/100 media access controllers (MAC). The ST802RT1x supports the 100Base-TX of IEEE802.3u and 10Base-T of IEEE802.3i TX of IEEE802.3u and 10Base-T of IEEE802.3i and 100Base FX of IEEE 802.3u. The ST802RT1x supports both half-duplex and full-duplex operation at 10 and 100 Mbps operation. Its operating mode can be set using auto-negotiation, parallel detection or manual control. It allows for the support of autonegotiation functions for speed and duplex detection. The automatic MDI / MDIX feature compensates for the use of a crossover cable. With auto MDIX, the ST802RT1x automatically detects what is on the other end of the network cable and switches the TX & RX pin functionality accordingly.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage			Interface	ESD Protection (Max.)	Power Dissipation (Typ.)(mW)	Temp. Range (°C)	Price Each		
				Min. (V)	Typ. (V)	Max. (V)					1	10	100
511-ST802RT1BFR	ST802RT1BFR	LQFP-48	10/100 Real-time Ethernet Transceiver	3.15	3.3	3.45	MII/RMII	2kV	315	-40 to +105	7.70	6.60	6.16

STMICROELECTRONICS DATA TRANSMISSION

RS-232

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Data Rate (Min/Typ) (kbps)	ICC (Typ) (mA)	Ext. Cap. (uF)	No.Of Ext. Cap.	ESD Protect	Temperature Range (°C)	Price Each		
												1	10	100
Surface Mount														
511-ST3232BT	ST3232BTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	-	-40 to +85	3.20	2.34	1.94
511-ST3232CT	ST3232CTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	-	0 to +70	1.69	1.50	1.26
511-ST3232CWR	ST3232CWR	SO-16L	3.0	2	2	-----/250	0.3	0.1	4	-	0 to +70	2.10	1.65	1.40
511-ST3232CDR	ST232CDR	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-	0 to +70	1.28	1.08	.928
511-ST3232CDR	ST3232CDR	SO-16	3.0	2	2	-----/400	0.3	0.1	4	-	0 to +70	2.25	1.98	1.68
511-ST3232EBDR	ST3232EBDR	SO-16	5.0	2	2	-----/400	5	0.1	4	15kV	-40 to +85	1.75	1.43	1.32
511-ST3232ECD	ST3232ECDR	SO-16	5.0	2	2	-----/400	5	0.1	4	15kV	0 to +70	1.57	1.53	1.47
511-ST3485ECDR	ST3485ECDR	SO-8	7.0	1	1	-----/250	0.3	0.1	4	15kV	0 to +70	2.46	2.23	1.89
511-ST3485EBDR	ST3485EBDR	SO-8	7.0	1	1	-----/250	0.3	0.1	4	15kV	-40 to +85	3.56	2.76	2.53
Thru Hole														
511-ST232CN	ST232CN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	-	0 to +70	1.20	1.04	.80

RS-422

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Output State	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop.Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each		
												1	10	100
Surface Mount														
511-ST26C31BDR	ST26C31BDR	SO-16	5.0	4	-	Tri-State	0.8	2.5	0.5	6	-40 to +85	.81	.65	.551
511-ST26C31B	ST26C31BTR	TSSOP16	5.0	4	-	Tri-State	0.8	2.5	0.5	6	-40 to +85	.93	.71	.67

RS-485

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Output State	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop.Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each		
												1	10	100
Thru Hole														
511-ST485CN	ST485CN	DIP-8	5.0	1	1	-	0.3	3.5	0.4	30	0 to +70	1.58	1.36	1.05
Surface Mount														
511-ST485EBDR	ST485EBDR	SO-8	5.0	1	1	-	0.3	3.5	0.4	30	-40 to +85	1.68	1.05	.997
511-ST485CDR	ST485CDR	SO-8	5.0	1	1	-	0.3	3.5	0.4	30	0 to +70	.55	.54	.524

USB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage Range (V)	Output Curr. Limit Max.(A)	Quiescent Sup. Current Max.(uA)		Turn On Time (Typ)(uS)	Turn Off Time (Typ)(uS)	On-Resist.		Temp. Range (°C)	Price Each		
					On	Off			4.5V	3.0V		1	10	100
Surface Mount														
511-ST2042BDR	ST2042BDR	SO-8	-0.3 to 6.0	1.3	20	40	120	-	145	-	-40 to +85	1.64	1.16	1.03

STMICROELECTRONICS SURFACE MOUNT DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Typ./Max (mA)	Drivers Per Package	Propagation Delay Time Typ/Max (ns)	Temp. Range (°C)	Price Each		
									1	10	100
511-L293DD	L293DD	SO-12	Push-pull DTL/TTL comp. driver	36	-/-1.2	4	-----	-40 to +150	4.67	3.90	3.40
511-L297D	L297D	SO-20	Stepper motor controller driver	10	---/80	4	-----	-40 to +150	7.83	7.35	6.79
511-L6201	L6201	SO-20	DMOS full bridge driver	52	---/5	1	-----	-40 to +150	7.44	6.98	6.45
511-L6201PS	L6201PS	PowerSO 20	DMOS full bridge driver	48	---/4	1	200/400	-40 to +150	8.04	7.59	7.04
511-L6202	L6202	PDIP 18	DMOS full bridge driver	48	---/1.5	1	200/400	-40 to +150	8.39	7.95	6.90
511-L6203	L6203	MULTIWATT 11L	DMOS full bridge driver	48	---/13.5	1	-----	-40 to +150	12.19	9.65	8.50
511-L6205N	L6205N	SO-24	DMOS driver for bipolar stepper motor	52	10	1	-----	-40 to +150	9.03	8.48	7.82
511-L6205PD	L6205PD	PowerSO 20	DMOS dual full bridge driver	52	-/-2.8	1	100/400	-40 to +150	10.38	9.93	7.20
511-L6206PD	L6206PD	PowerSO-36	DMOS dual full bridge driver	52	5/10	2	-----	-40 to +150	11.30	10.21	7.80
511-L6207PD	L6207PD	PowerSO-36	DMOS dual full bridge driver with PWM	52	-/-2.8	2	100/400	-40 to +150	11.40	10.30	7.87
511-L6208PD	L6208PD	PowerSO-36	DMOS driver for bipolar stepper motor	52	---/2800	2	-----	-40 to +150	13.56	12.73	9.81
511-L6228D	L6228D	SO 24	DMOS driver for bipolar stepper motor	52	10	2	500/800	-40 to +150	8.84	7.95	6.72
511-L6228N	L6228N	PDIP 24	DMOS driver for bipolar stepper motor	52	10	2	500/800	-40 to +150	10.66	8.91	7.54
511-L6228PD	L6228PD	PowerSO-36	DMOS driver for bipolar stepper motor	52	-/-1.4	1	500/800	-40 to +150	10.30	9.25	7.83
511-L6229PD	L6229PD	SO-36	DMOS three-phase brushless DC motor	60	3.55	3	500/800	-40 to +150	11.49	10.33	8.74
511-L6234PD	L6234PD	PowerSO-20	Triple half bridge for motor driver	52	-/-6.5	3	-----	-40 to +150	9.16	8.60	7.94
511-L6235N	L6235N	PDIP 24	DMOS driver for three-phase brushless DC motor	52	-/-5.6	3	110/400	-40 to +150	15.53	12.94	10.21
511-L6235PD	L6235PD	PowerSO-36	DMOS driver for three-phase brushless DC motor	52	5/10	1	-----	-40 to +150	15.10	13.63	10.42
511-L6599D	L6599D	SO-16	High-voltage resonant controller	-	-	-	-----	-40 to +150	3.52	2.98	2.59
511-TD350ID-TR	TD350IDT	SO-14	Advanced IGBT/MOSFET driver	28	---/1000	1	-----	-40 to +150	3.52	2.78	2.28