


UART/USB Adapter

A black USB to TTL serial adapter cable. It features a standard USB-A connector on one end and a 6-pin female D-sub connector on the other. The cable is 1 meter long. The DTECH logo is visible on the USB connector housing.

DTECH 1m FTDI USB to **TTL** Serial Adapter **5V** Cable 6 Pin Female Socket Header UART IC **FT232RL** Chip for Windows 10 8 7 Linux MAC OS

**c\$20.27**

Length: 1m

1m



TTL-232R TTL TO USB SERIAL CONVERTER RANGE OF CABLES Datasheet  
Version 2.05

Document No.: FT\_000054 Clearance No.: FTDI# 53

6.3 TTL-232R-5V-WE and TTL-232R-3V3-WE Electrical Parameters

6.3.1 TTL-232R-5V-WE Electrical Parameters

Parameter	Description	Minimum	Typical	Maximum	Units	Conditions
VCC	Output Power Voltage	4.25	5.0	5.25	V	Dependant on the USB port that the TTL-232R-5V-WE is connected to
I <sub>o</sub>	Output Power Current	-		75	mA	Must be less than 2.5mA during suspend.
T	Operating Temperature Range	-40		+85	°C	

Table 6.2 TTL-232R-5V-WE I/O Operating Parameters

Parameter	Description	Minimum	Typical	Maximum	Units	Conditions
V <sub>oh</sub>	Output Voltage High	3.2	4.1	4.9	V	I source = 6mA
V <sub>ol</sub>	Output Voltage Low	0.3	0.4	0.6	V	I sink = 6mA
V <sub>in</sub>	Input Switching Threshold	1.0	1.2	1.5	V	
V <sub>Hys</sub>	Input Switching Hysteresis	20	25	30	mV	

Table 6.3 TTL-232R-5V-WE I/O Pin Characteristics