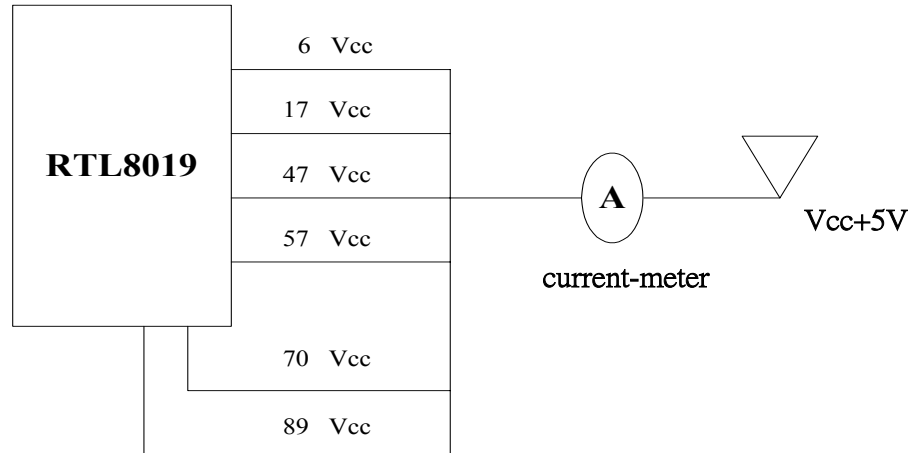


Power Consumption Testing For RTL8019AS



When connected cable

1. BNC

Idle : 80.8 mA

Rx : 71.6 mA

Tx : 62.8 mA

Tx + Rx = 76.3 mA

2. TP

Idle : 37.4 mA

Rx : 28.2 mA

Tx : 37.3 mA

Tx + Rx = 34.3 mA

3. AUI (Add external MAU)

Idle : 72.9 mA

Rx : 63.2 mA

Tx : 56.0 mA

Tx + Rx = 68.0 mA

	Digital				Analog			
Pin	6	17	70	89	47	57	total	
Idle	0.6	1.3	3.1	6	45	13.7	69.7	} BNC only
Tx + Rx	0.7	3	3.5	6	45	14.7	72.9	
Max.	1	4	4	7	50	16	82	

Sleep mode: same as before enter sleep mode

Power mode: (1) clock running: 7mA

(2) clock stop: 7mA

BNC Idle: 70mA

TP Idle: 17mA

AUI Idle: 63mA

Theta JA (Junction to Ambient) = 45°C / W

MTTF(125°C)=21851 hrs

MTTF(25°C)=3.96*10⁸ hrs=2.53 FIT