

What's the advantage of USB3.0?

It is suitable for : **A2000UA, A3004NS, A5004NS, A7000R, A8000RU**

Application introduction:

USB3.0 is the upgraded version of USB2.0 to accelerate data transmitting rate with low power consumption. It adds more practical function base on USB2.0 such as better power management and is backwards compatible with USB2.0.

Comparison of USB3.0 and USB2.0:

Parameter	USB3.0	USB2.0
Data Transmission Rate	Super Speed (5Gbps) High Speed (480Mbps) Full Speed (12Mbps) Low Speed (1.5Mbps)	High Speed (480Mbps) Full Speed (12Mbps) Low Speed (1.5Mbps)
Duplex	Full duplex	Half duplex
Cable Signal Count	Six: Four for super-speed data path Two for non-super-speed data path	Two: Two for low-speed /full-speed /high-speed data path
Power Management	Multi-level link power management supporting idle, sleep and suspend states.	Port-level suspend with two levels of entry/exit latency.

USB3.0 Connector :



USB 3.0 Standard-A



USB 3.0 Standard-B plug



Micro-AB/A

Micro-B

USB 3.0 Micro plug