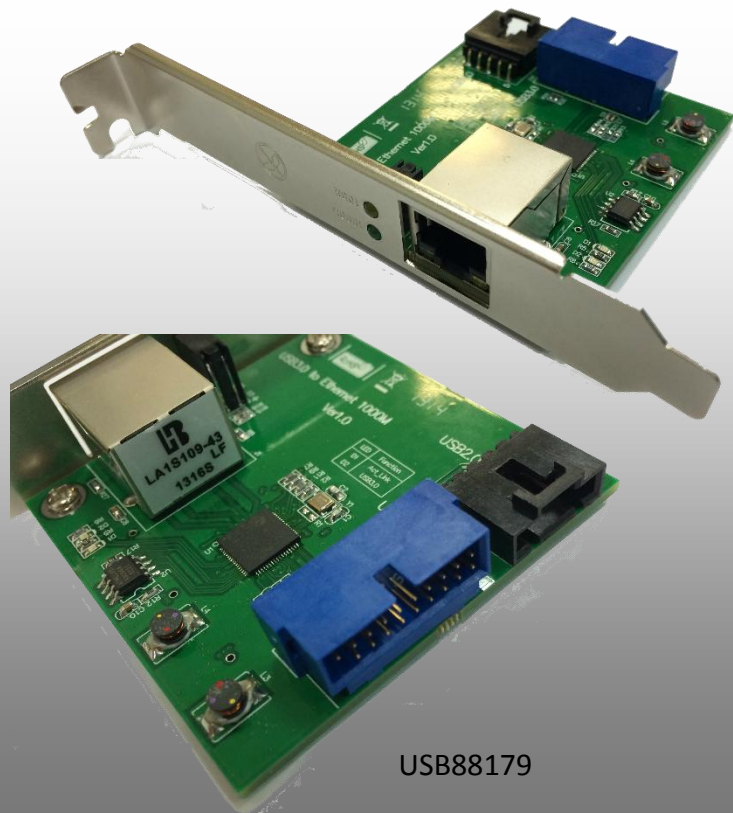


USB88179

Ethernet to USB2.0/USB3.0

Product > USB3.0/2.0 Products> USB88179



First Impression

The USB88179 is designed for Embedded systems that connect to internet by USB port,

This adapter allows you to use Ethernet by Built-in USB port, without PCI slot.

System Requirements

- Desktop PC or embedded systems with an available **USB 2.0** or **USB3.0 Port**
- Windows 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) SP2 or later/ XP (32-/64-bit) SP3 or later

Notice:

When you use USB88179 to connect your system, make sure you have only USB2.0 or USB3.0 connection, do not connect the USB88179 card with both USB2.0 and USB3.0, it will cause damage to the product.

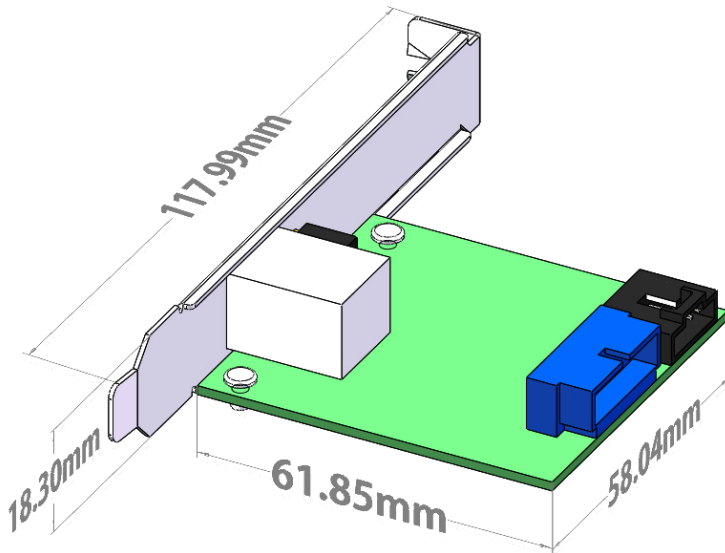
Function

- Single chip USB 3.0 to 10/100/1000M Gigabit Ethernet controller with Energy Efficient Ethernet (EEE) base on digital signal processing (DSP) technology with low dissipation
- USB Device Controller
 - Integrates on-chip USB 3.0 PHY and controller compliant to USB Spec 3.0, 2.0 and 1.1
 - Supports all USB 3.0 power saving modes (U0, U1, U2, and U3)
 - Supports USB Super/High/Full Speed modes with Bus-power or Self-power device auto-detect capability
 - High performance packet transfer rate over USB bus using proprietary burst transfer mechanism (US Patent Approval)
- Supports TCP Large Send Offload V1
- Supports full duplex operation with IEEE 802.3x flow control and half duplex operation with back-pressure flow control
- Supports IEEE 802.1P Layer 2 Priority Encoding and Decoding
- Supports IEEE 802.1Q VLAN tagging and 2 VLAN ID filtering; received VLAN Tag (4 bytes) can be stripped off or preserved
- Supports Jumbo frame
- PHY loop-back diagnostic capability

Gigabit Ethernet Controller

- Supports IEEE 802.3az (Energy Efficient Ethernet)
- IEEE 802.3, 802.3u and 802.3ab compatible
- Integrates 10/100/1000Mbps Gigabit Ethernet MAC/PHY
- Supports dynamic cable length detection and dynamic power adjustment Green Ethernet (Gigabit mode only)
- Supports parallel detection and automatic polarity correction
- Supports crossover detection and auto-correction
- Supports IPv4/IPv6 packet Checksum Offload Engine (COE) to reduce CPU loading, including IPv4 IP/TCP/UDP/ICMP/IGMP & IPv6 TCP/UDP/ICMPv6 checksum check & generation

- Support Wake-on-LAN Function.
- Advanced Power Management Features
- Operating over **0°C to 70°C** temperature rang



Dimension & Weight

118mm x 61.85mm x 18.3mm
200g

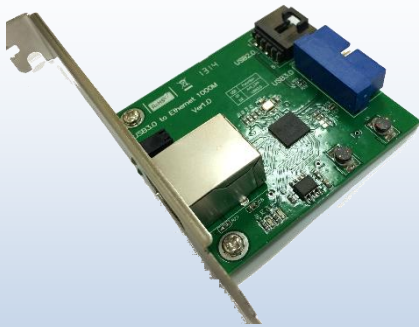
Certification

RoHS

Operating Temperature

0 ~ 70°C

USB88179 Package Contents



USB88179 x1



**USB3.0 cable
(19pin to 19pin) x1**



USB2.0 cable x1