



**RoHS  
Compliant**

## Description

This device is an extension cable between USB device and host (computer) with embedded into connector “intelligent” integrated circuits on both sides of the cable. The USB cable with the chip inside is not a passive extension cable. It is an active device. The USB signals going in and out of this extension cable in both directions are buffered to assure signal quality. Unlike passive USB cables the IC prevents signal degradation. The embedded “intelligent” integrated circuit cleans, amplifies USB signal and watches USB 2.0 protocol. Its Control State Machine enables and disables USB and Cable transmitters inside the chip depending on USB signals

## Features

- Compliant with USB 2.0 specification
- Provide support for any high-speed (480 Mb/s) or low-speed (1.5 Mb/s) USB device
- Some low power low-speed USB devices can work with cable up 5 meters
- Embedded USB 2.0 Transceivers prevents signal loss
- Downstream connector: Female, Type “A”, USB Approved Connector
- Upstream connector: Male, Type “A”, USB Approved Connect

## Specifications

Input interface	USB Male
Output interface	Micro USB Male
Frequency	12Mbps
Size (L×W×H)	60mm×29mm×27mm
Operating Temperature	0°C to +70°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 95 % RH (no condensation)
Converter Unit	FCC, CE
Warranty	12 months

## Part Number Table

Description	Part Number
USB Extender by USB cable	PSG91608

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