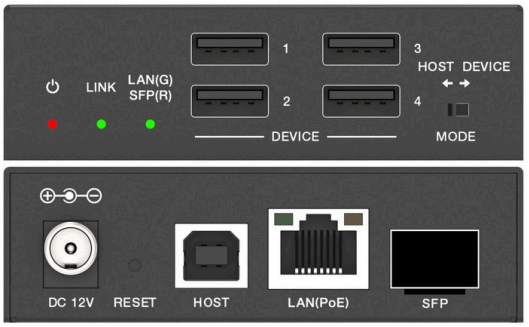
USB 2.0 over IP 1GbE Network Extender with SFP Fiber, PoE & 4-Port USB-A

Extend USB Over the Existing LAN Without a Dedicated Cable Run — 4-Port USB 2.0, Copper or Fiber, PoE-Powered at Either End

MPN: EXT-USB2IP



Puts four USB 2.0 ports wherever the building network reaches, with no dedicated cable run between the computer and its peripherals. The EXT-USB2IP is a compact black metal unit (3.35 x 4.63 x 1.00 in) that carries USB 2.0 at up to 480Mbps across a managed 1GbE network over RJ45 copper or SFP fiber. A switch on the panel sets each unit as the Host, which takes one Type-B connection to the computer, or the Device, which gives four Type-A ports for peripherals. Power comes from PoE as an IEEE 802.3at Class 4 or 802.3af powered device, or from the included 12V locking supply, so the far end needs no outlet. It is the right choice for conference rooms, lecture halls, control rooms and dispatch centers where reaching across the existing LAN matters more than USB 3.0 bandwidth or a point-to-point cable.

Copper and fiber are in the same housing. The unit selects between them automatically and gives fiber priority when both are connected, so one part covers a copper drop at one end and a fiber link at the other. Keyboard and mouse extension works one-to-one and one-to-many, so one host can be operated from more than one station. It runs on the same Gigabit switch as AV-over-IP encoders and decoders, which puts USB beside the video at every endpoint. The strongest advantage is that one SKU serves both ends: the same unit becomes the Host or the Device, so a project stocks one part number and one spare covers either end of every link. Each extension link uses two units; the second unit is sold separately.

480Mbps	1GbE	PoE	4-Port	One SKU
USB 2.0 Extension	Copper or SFP Fiber	802.3at/af Powered	USB-A Device	Host or Device by Switch

KEY FEATURES

- USB 2.0 at up to 480Mbps across a managed 1GbE network, with no dedicated cable run
- One Type-B Host port and four Type-A Device ports; one unit serves either end
- Host or Device role set by a switch, so one spare covers both ends of a link
- 1G RJ45 copper and 1G SFP fiber in one unit, auto-selected with fiber priority
- PoE powered device to IEEE 802.3at Class 4 and 802.3af, or 12V locking supply
- Up to 5V 1A per Device port on local power for bus-powered peripherals
- Keyboard and mouse extension one-to-one and one-to-many
- Bonjour discovery on the network

SPECIFICATIONS

USB	USB 2.0 · 480Mbps max
USB Ports	1x Type-B Host · 4x Type-A Device
Network	1x 1G RJ45 (PoE) · 1x 1G SFP · auto select
Copper Distance	328ft (100m) over CAT6/6A/7
PoE	IEEE 802.3at Class 4 / 802.3af · PD
Local Power	12V/2.5A locking supply · 100–240V AC
USB Port Power	5V 1A/port local · 0.9A/port at · 1.2A total af
Power Consumption	Host 1.92W max · Device 2.76W max
Switch Required	Managed L3 Gigabit with IGMP snooping
ESD	IEC 61000-4-2 · +/-15kV air · +/-8kV contact
Dimensions / Weight	3.35 × 4.63 × 1.00 in · 0.65 lbs (297 g)
Environment	32–104°F (0–40°C) · 20–90% RH
Package Contents	1x USB 2.0 over IP 1GbE Network Extender • 1x 12V/2.5A locking power supply • 2x Mounting ear • 4x Machine screw (KM3x6)