



InLine 57886D AV extender Black



Model: 57886D

Manufacturer: INLINE

EAN: 4043718348770

Product Code: 1552251

R6,000

USB 3.2 Gen.1 with up to 100 m range: Transmits USB signals at up to 5 Gb/s over a single RJ45 copper cable, enabling reliable long-distance bridging between the host system and USB end device.

Transparent RS-232 and FSYNC pass-through: Serial control signals and 5 V synchronisation signals are transmitted unchanged from the transmitter to the receiver, enabling precise system integration.

Bidirectional Power over Cable with 40 W: Power is supplied flexibly via the 24 V connection cable. Only one device unit needs to be powered, which reduces installation costs.

Robust metal housing with mounting option: The stable construction in combination with the included mounting brackets enables secure integration into technical environments.

Energy-efficient operation with low-power mode: When the connection is inactive, the system automatically reduces energy consumption, thus optimising continuous operation.

The InLine® USB 3.2 Gen.1 Extender allows USB signals to be extended over a single RJ45 copper cable with a range of up to 100 m. The system consists of a main unit as a transmitter and a receiver

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and operates as a fixed point-to-point connection without integration into active network components.

With a maximum data rate of up to 5 Gb/s, the extender supports isochronous, bulk and interrupt USB transfer types and is suitable for performance-intensive applications. In addition, RS-232 control signals and FSYNC signals with 5 V are transmitted transparently. The signals are not evaluated or influenced.

Power can be supplied either via the external power supply unit supplied or via Power over Cable. The PoC function works bidirectionally with 24 V and a maximum power of 40 W. This means that one device unit is sufficient for the power supply.

Four USB ports are available on the receiver. USB ports 1 and 2 supply up to 5 V / 1.5 A. USB ports 3 and 4 supply up to 5 V / 1.0 A.

Technical features

Specifications

USB standard: USB 3.2 Gen.1

Maximum data rate: up to 5 Gb/s

Supported USB transfer types: Isochronous, bulk, interrupt

Transmission medium: RJ45 copper cable

Recommended cable type: CAT6a

Maximum transmission distance: up to 100 m

Housing material: metal

Operating temperature: 0 °C to +40 °C

Storage temperature: –20 °C to +60 °C

Permissible humidity (operation): 20–80%, non-condensing

Permissible humidity (storage): 10–90%, non-condensing

USB power supply at the receiver

USB ports 1 and 2: up to 5 V / 1.5 A

USB ports 3 and 4: up to 5 V / 1.0 A

RS-232 pass-through

Serial control signals are transmitted transparently between the transmitter and receiver.

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FSYNC pass-through

Pass-through of synchronisation signals; signal level 5 V.

Power over Cable (PoC)

Bidirectional power supply via the connection cable possible

PoC voltage: 24 V

Maximum PoC power: 40 W

Low-power mode

Automatic reduction of energy consumption when the connection is inactive.

Power supply

Input: AC 100–240 V / 50–60 Hz

Output: DC 24.0 V / 2.0 A

Output power: max. 48.0 W

Average efficiency in operation (230 V / 50 Hz): 88.72%

Power consumption at zero load (230 V / 50 Hz): 0.09 W

Efficiency at low load (10%) (230 V / 50 Hz): 83.19%

Scope of delivery

- 1 x USB extender – main unit (transmitter)
- 1 x USB extender – receiver
- 1 x power supply unit (DC 24 V / 2 A, lockable)
- 2 x 4-pin screw terminal connectors
- 4 x mounting brackets
- 8 x machine screws (M3 x 4)
- 1 x operating instructions (German/English)

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