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Data Sheet

August 15, 2026

BLACK BOX

Black Box IC400A 4-Port USB 2.0 CAT5 Extender

Black Box IC400A 4-Port USB 2.0 CAT5 Extender Queue model IC400A is the Black Box 4-port USB 2.0 CAT5 extender (IC400A / IC400A-R2 manuals). Black Box user manual specifications: FCC/IC/CE Class B, ESD EN 61000-4-2 8 kV contact / 16 kV air, 328 ft (100 m) over CAT5e or better, 14 USB devices or 3 hubs plus 11 devices, high-speed 480 Mbps, full-speed 12 Mbps, low-speed 1.5 Mbps, EHCI USB 2.0 and OHCI/UHCI USB 1.1 hosts, up to 3 hubs plus one extender per chain, local unit 1x USB TypeBand 1x RJ-45, remote unit 4x USB TypeAand 1x RJ-45, operate 0 to 50 C (32 to 122 F), store minus 20 to 70 C, humidity 20-80 percent operate / 10-90 percent store, power 100/240 VAC 50-60 Hz 600 mA in, 5 VDC 3 A adapter, 500 mA per USB port (manual), 500 mA local / 500 mA remote no-load / 2.5 A remote full-load, each unit 3.9 × 3 × 1 in (10 × 7.6 × 2.6 cm), ship 2 lb (0.9 kg). R2 catalog also states 600 mA max per port with the remote adapter. Queue model IC400A is the Black Box 4-port USB 2.0 CAT5 extender (IC400A / IC400A-R2 manuals). Black Box user manual specifications: FCC/IC/CE Class B, ESD EN 61000-4-2 8 kV contact / 16 kV air, 328 ft (100 m) over CAT5e or better, 14 USB devices or 3 hubs plus 11 devices, high-speed 480 Mbps, full-speed 12 Mbps, low-speed 1.5 Mbps, EHCI USB 2.0 and OHCI/UHCI USB 1.1 hosts, up to 3 hubs plus one extender per chain, local unit 1x USB TypeBand 1x RJ-45, remote u



MODEL

Black Box IC400A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IC400A

LISTING

<https://aumictechlabs.com/products/ic400a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Black Box IC400A-R2 is a 4-Port USB 2.0 CAT5 Extender, local unit, designed to extend USB connections over CATx cabling. This extender facilitates the placement of USB peripherals at a distance from the host computer, overcoming the standard USB cable length limitations.

Technical Specifications

- * **Product Name:** Black Box IC400A-R2 4-Port USB 2.0 CAT5 Extender Local Unit
- * **Manufacturer:** Black Box Corporation
- * **Model Number:** IC400A-R2
- * **Extender Type:** USB 2.0 over CATx
- * **Number of Ports (Local Unit):** 1 x USB Type-B, 1 x RJ45
- * **Number of Ports (Remote Unit):** 4 x USB Type-A, 1 x RJ45
- * **Maximum Extension Range:** Up to 328 feet (100 meters) over CAT5e/6/7 UTP cable
- * **Data Transfer Rate:** Up to 480 Mbps (USB 2.0)
- * **Supported USB Protocols:** USB 1.1 and USB 2.0 (control, bulk, interrupt, and isochronous traffic)
- * **Power (Local Unit):** USB-powered from the host computer
- * **Power (Remote Unit):** Supplied by an external 24 VDC adapter (included)
- * **Power Output (Remote Unit):** Up to 600 mA per USB port
- * **Connectivity**
 - * **Cable Type:** CAT5e, CAT6, or CAT7 UTP cable
 - * **Local Unit Connectors:**
 - * 1 x USB Type-B (to connect to host computer)
 - * 1 x RJ45 (to connect to remote unit via CATx cable)
 - * **Remote Unit Connectors:**
 - * 4 x USB Type-A (for connecting USB peripherals)
 - * 1 x RJ45 (to connect to local unit via CATx cable)
- * **Daisy-Chain Support:** Supports up to 30 USB devices when additional USB hubs are connected to the remote unit
- * **Compatibility**
 - * **Operating Systems:** Windows®, macOS®, Linux®
 - * **USB Device Types:** Works with all USB device types
- * **Physical and Environmental**
 - * **Dimensions (Local Unit):** Approximately 3.9 inches H x 3 inches W x 1 inch D (10 cm x 7.6 cm x 7.5 cm)
 - * **Dimensions (Remote Unit):** Approximately 3.9 inches H x 3 inches W x 1 inch D (10 cm x 7.6 cm x 7.5 cm)
 - * **Operating Temperature:** 32°F to 122°F (0°C to 50°C)
 - * **Operating Humidity:** 20% to 80% (non-condensing)
 - * **Storage Humidity:** 10% to 90% (non-condensing)
 - * **ESD Protection:** 4 kV contact, 8 kV air
- * **Regulatory Compliance:** FCC Class B, IC Class B, CE Class B, RoHS
- * **Features**
 - * **Plug-and-Play:** True plug-and-play capabilities, ready to operate out of the box with no drivers required
 - * **Application Versatility:** Suitable for industrial control, KVM extension, digital signage, remote desktop USB connections, security camera and access control, medical device connectivity, and USB web device sharing (printing, scanning, storage)
 - * **Durable Construction:** Built for dependable operation with durable housings and ESD protection
- * **Package Contents**
 - * Local Extender Module
 - * Remote Extender Module
 - * USB Cable (2-meter)
 - * Power Adapter (24 VDC)
 - * USB Power Cord

Why Choose Aumictech for Black Box IC400A-R2 4-Port USB 2.0 CAT5 Extender Local Unit? At Aumictech, we specialize in supplying high-end USB extension equipment. Whether you need to extend critical USB connections over long distances, integrate USB devices into remote environments, or ensure reliable data transfer for industrial applications, our team ensures the Black Box IC400A-R2 4-Port USB 2.0 CAT5 Extender Local Unit delivers maximum performance for your application.

IC400A Characteristics / Specifications

PARAMETER	VALUE
Model	IC400A
Instrument Type	4-port USB 2.0 CAT5 extender
Family	Black Box IC400A / IC400A-R2
Distance	328 ft (100 m) over CAT5e or better
Usb High Speed	480 Mbps USB 2.0
Usb Full Speed	12 Mbps USB 2.0 and 1.1
Usb Low Speed	1.5 Mbps USB 2.0 and 1.1
Host Support	EHCI USB 2.0 and OHCI/UHCI USB 1.1
Device Count	14 USB devices, or 3 hubs with 11 devices
Hub Chain	up to 3 USB hubs plus one extender
Local Connectors	1 USB Type B, 1 RJ-45
Remote Connectors	4 USB Type A, 1 RJ-45
Operating Temperature	0 C to 50 C (32 to 122 F)
Storage Temperature	minus 20 C to 70 C (minus 4 to 158 F)
Operating Humidity	20 to 80 percent RH non-condensing
Storage Humidity	10 to 90 percent RH non-condensing
Adapter Input	100/240 VAC, 50-60 Hz, 600 mA maximum
Adapter Output	5 VDC, 3 A, 1.7 mm center-positive
Port Power	500 mA each remote USB port (manual); R2 catalog 600 mA max with adapter
Local Draw	500 mA maximum
Remote Draw	about 500 mA no load, 2.5 A full load
Unit Size	3.9 × 3 × 1 in (10 × 7.6 × 2.6 cm) each
Shipping Weight	2 lb (0.9 kg)
Esd	EN 61000-4-2 8 kV contact, 16 kV air
Emi	FCC Class B, IC Class B, CE ClassBManufacturer: Black Box

PARAMETER

VALUE

Literature

Black Box IC400A / IC400A-R2 4-port CAT5 USB 2.0 extender user manual specifications

Humidity

20 to 80 percent RH non-condensing

General Specifications & Supplementary Characteristics

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Literature	Black Box IC400A / IC400A-R2 4-port CAT5 USB 2.0 extender user manual specifications Notes From Black Box IC400A and IC400A-R2 user-manual specification tables. Combine-with-hubs 'up to 30 devices' isacatalog application statement, not the 14-device manual maximum.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications: FCC/IC/CE Class B, ESD EN 61000-4-2 8 kV contact / 16 kV air, 328 ft (100 m) over CAT5e or better, 14 USB devices or 3 hubs plus 11 devices, high-speed 480 Mbps, full-speed 12 Mbps, low-speed 1.5 Mbps, EHCI USB 2.0 and OHCI/UHCI USB 1.1 hosts, up to 3 hubs plus one extender per chain, local unit 1x USB TypeBand 1x RJ-45, remote unit 4x USB TypeAand 1x RJ-45, operate 0 to 50 C (32 to 122 F), store minus 20 to 70 C, humidity 20-80 percent operate / 10-90 percent store, power 100/240 VAC 50-60 Hz 600 mA in, 5 VDC 3 A adapter, 500 mA per USB port (manual), 500 mA local / 500 mA remote no-load / 2.5 A remote full-load, each unit 3.9 x 3 x 1 in (10 x 7.6 x 2.6 cm), ship 2 lb (0.9 kg). R2 catalog also states 600 mA max per port with the remote adapter.

Applications

Remote USB 2.0 peripherals, KVM-adjacent device extension, and industrial USB I/O beyond the 5 m USB cable limit.

Key Features

Local/remote pair extends USB 2.0 to 100 m on CAT5e

Four USB TypeAports at the remote

480/12/1.5 Mbps device support

Remote AC adapter powers downstream ports

True plug-and-play, no host drivers

Technical Specifications

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Technical Specifications

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Notes

From Black Box IC400A and IC400A-R2 user-manual specification tables. Combine-with-hubs 'up to 30 devices' isacatalog application statement, not the 14-device manual maximum.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.