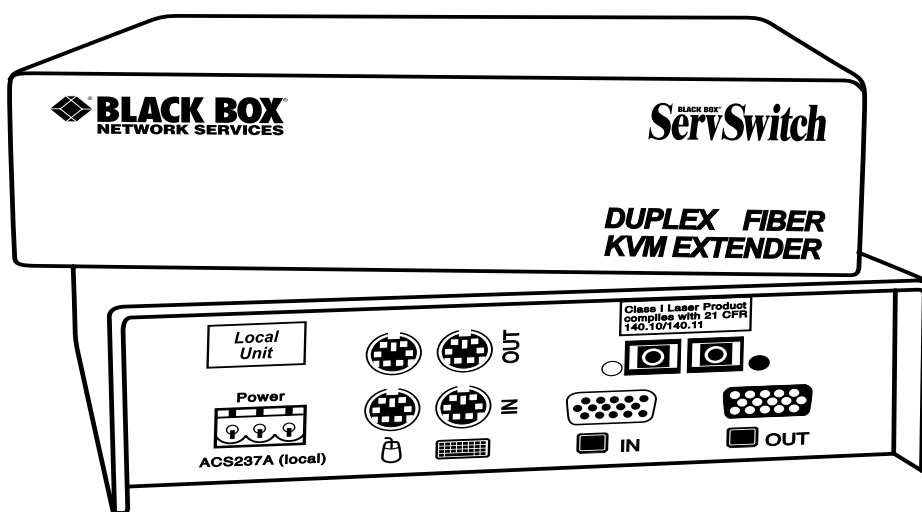


Fiberoptik KVM-Extender



Key Features

- ▶ Distances up to 10 km
- ▶ Only 2 fibre required
- ▶ resolution up to 1280x1024/75Hz
- ▶ Modular design

The purpose of the ServSwitch™ Brand Duplex Fiber KVM Extender is to greatly extend the distance between an IBM® PC compatible computer CPU and the keyboard, mouse, and monitor that the computer operator will be using, especially in electrically noisy environments. Normal keyboard-, video-, and mouse-extension cables (and extenders that use normal cabling) can only go so far, and electromagnetic noise can limit their distance and reliability. But with a fiberoptic system like the ServSwitch Brand Fiber KVM Extender, these concerns are a thing of the past. You can leave the computer CPU in a secured cabinet or data center while you operate it from a convenient distant location. Plus, the Extender gives you high monitor resolution, optical isolation, and color fidelity, even in electrically rough surroundings.

The Extender consists of two main components: a Local Module to which you'll attach the computer's CPU, and a Remote Module to which you'll attach the user equipment (monitor, keyboard, and mouse). These Modules can be placed

on a desktop or mounted on a wall or in 1U (4.4 cm) of vertical rack space. You'll connect the two Modules with a two-strand fiberoptic cable. This cable can be as long as 250 m if it has a 62.5-micron core or 500 m if it has a 50-micron core. If you take a Singlemode-Fiberoptik/-module, you can go til 10km, without another Concentrator.

The Complete Package

- The Extender's Local Module.
- The Extender's Remote Module.
- (2) Power supplies, one for each Module.
- North American customers: (2) power cords, one for each power supply (equivalent to our product code EPWR08).
- (1) 10-ft. (3-m) keyboard/video/mouse CPU-extension cable with an HD15 female video connector and 6-pin mini-DIN keyboard and mouse connectors (equivalent to our product code EHN235-0010).
- (1) 6-ft. (1.8-m) firmware-upgrade cable (6-pin mini-DIN male to DB9 female).
- (1) Set of eight adhesive feet.
- This manual.

Specifications

Cable Required — 62.5/125- μ m or 50/125- μ m multimode duplex fiberoptic cable

Compliance — EMI/RFI: CE (EN 55022, 50082-1) Class B; FCC Class B, IC Class/classe B;
Laser safety: IEC 825-1; FDA 21 CFR 1040.10 and 1040.11

Interfaces — Extension: Multimode fiberoptic;

Video: VGA compatible (VGA, SVGA, XGA, SXGA, text/monochrome, VESA); Plug-and-Play not supported for monitors;

Keyboard and mouse: IBM PS/2 compatible (keyboard must not require more than 100 mA to operate)

Resolution and Refresh Rate — Supports resolutions up to 1280 x 1024 and refresh rates up to 100 Hz; see **page 5** for a full list

Optical Type and Wavelength — 850-nm multimode

Maximum Distance — Between Extender's Local and Remote Modules:
Over 62.5- μ m cable: 250 m;
Over 50- μ m cable: 500 m

User Controls — (2) Rear-mounted pushbuttons on Remote Module for adjusting the video sampling

Indicators — All rear-mounted LEDs;
(3) on Local Module:

- (1) for power and link integrity;
- (1) for local keyboard/mouse activity;
- (1) for communication errors;

(3) on Remote Module:

- (1) for boot and video mode;
- (1) for power and link integrity;
- (1) for communication errors

Connectors — All rear-mounted;
On Local Module:

- (1) Duplex multimode SC female for fiber link (transmitter on left, receiver on right);
- (4) 6-pin mini-DIN female:
 - (1) for CPU's keyboard port (either

keyboard data or firmware programming I/O);

- (1) for CPU's mouse port;
 - (1) for optional local keyboard;
 - (1) for optional local mouse;
 - (1) HD15 male for CPU's video port;
 - (1) HD15 female for optional local monitor;
 - (1) 6-pin DIN female for power;
- On Remote Module:
- (1) Duplex multimode SC female for fiber link (transmitter on left, receiver on right);
 - (2) 6-pin mini-DIN female:
 - (1) for remote keyboard;
 - (1) for remote mouse;
 - (1) HD15 female for remote monitor;
 - (1) 6-pin DIN female for power

Temperature Tolerance —

Operating: 10 to 45°C;
Storage: 2–5 to +55°C

Humidity Tolerance — Up to 80% noncondensing

Power — From utility-power (mains) outlet, through external transformer:
Input: 90 to 240 VAC, 47 to 63 Hz, autosensing, at up to 500 mA;
Output: +6 VDC at 2 amps;

Consumption: Local Module: Approx. 6 watts;

Remote Module without keyboard:

Approx. 6 watts;

Remote Module with keyboard: Approx.

7.2 watts

Size — Each Module: 4.4 H (1U) x14.9 W x 17 cm D

Weight — Net for each Module: 1 kg; Shipping (both Modules plus accessories): At least 3.5 kg

Black Box Network Services - The world's largest network services company

We are, with 25 years of experience, the world leader in network infrastructure services.

On the Phone — no charge, answer calls in less than 20 seconds, find the right product with our technical experts.

On-site — superior design and engineering, Certified installations, end-to-end service.

On-line — receive technical knowledge on-line, including technology overviews, BLACK BOX Explains and the Knowledge Box.

Most comprehensive TECHNICAL SUPPORT — our best Product! Free hotline TECH SUPPORT!

The world's best customer service — Custom design services and products, the best warranties, money-saving discount programs.

BLACK BOX exclusives — Certification Plus. Guaranteed-for-life products and services.

Ordering information

ITEM

CODE

ServSwitch Fiberoptic KVM-Extenderkit ACS237A