

## Article Overview

New Zealand offers a range of fiber optic KVM extenders capable of 4K video, USB, and audio transmission over long distances, suitable for professional and industrial applications.

## Key Options and Features

### 1. Rexton FXA1MU-M57 Fiber KVM Extender

- o Supports True 4K HDMI resolution.
- o Uses USB 10G SFP modules for high-speed connectivity.
- o Ideal for setups requiring high-resolution video and low-latency USB control.
- o Available for order through PBTech, with delivery options across New Zealand (price approx. NZD 1,948) .

### 2. Amber Technology K VXHP-200 DisplayPort KVM Extender

- o Supports dual monitors at 4096x2160 @ 60Hz with 8-bit color and 4:4:4 chroma sampling.
  - o High-speed transparent USB 2.0 and audio support.
  - o Compatible with CATx or fiber interfaces, providing a flexible single-solution setup.
  - o Optional rackmount tray (K VXHP-RMK) and central power hub for multiple units in 1RU .
- ### 3. Black Box K VX Series HDMI KVM Extender
- o Extends KVM signals over single-mode or multi-mode fiber up to 30 km, depending on SFP and fiber type.
  - o Supports HDMI video, USB 2.0, serial, and audio.
  - o Includes local video access at the transmitter side.
  - o Suitable for command centers, industrial facilities, medical environments, and remote server management.
  - o SFP modules are sold separately; recommended speeds up to 1250 Mbps .

## Considerations for Choosing a Fiber KVM Solution

- o Distance Requirements: Single-mode fiber supports longer distances (up to 30 km), while multi-mode is suitable for shorter runs.
- o Resolution and Video Quality: Ensure the extender supports your required resolution (4K is common for modern setups).
- o USB and Peripheral Support: Check if the extender supports USB 2.0/3.0 for keyboard, mouse, and other devices.
- o Rackmount and Power Options: For multiple units, consider rackmount trays and centralized power hubs to simplify installation.
- o Local Availability: PBTech, Amber Technology, and Black Box provide New Zealand-based purchasing and support. These solutions provide high-performance, low-latency KVM control over fiber, making them ideal for environments where servers or workstations are physically distant or in secure locations.



# New Zealand Fiber Optic KVM Solution

Single Mode & Multi Mode (Five Fiber) Fiber KVM Extenders. Dual Monitor DVI.

LCP - New Zealand's leading data communications supplier. Authorised distributor for Corning, Fluke

UGREEN 15707 HDMI KVM Switch 2 In 1 Out 4K60Hz HDMI KVM Switch USB3.0 KVM Switcher 2 PCs

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KVM Switches and Accessories | New Zealand StarTech.com KVM solutions give IT professionals full control over connected

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DKM KVM Extender Upgrade Module - USB, Fiber Optic Upgrade modules extend additional signals with your DKM Extension and

LENKENG LKV223KVM 1080P HDMI Extender with KVM Support Over Single Cat6/6A Cable. Supports Mouse&KeyboardExtension

The Fiber Extender is designed to extend signals over Optical Fiber for long-distance transmission. Rextron is good at providing a

NTI ST-FOUSBVARS-LC12V VGA USB KVM Extender via One LC Singlemode/Multimode Fiber Optic

OCL also handles fibre installation and maintenance for other critical networks, such as Watercare

Fibre Optic Installation, Fibre Broadband Cabling MultiMedia Communications is a New Zealand leader in

With the advanced fiber optic technology, this 4K KVM extender provides anti-electromagnetic interference

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