

# USB 2.0 Ranger® 442/444

## Fiber Extender System



**USB 2.0 Ranger 442** extends USB 2.0 connections up to 500m over multimode fiber optics.

**USB 2.0 Ranger 444** extends USB 2.0 connections up to 10km over singlemode fiber optics.

## Ranger 442/444 Features

- True plug and play support for USB 1.1 (low-speed, full-speed) and USB 2.0 high-speed devices operating up to 480Mb/s.
- Supports all major operating systems including Windows, MAC-OS, Linux and Sun.
- Four USB ports provided at device side remote extender (REX).
- Number of devices can be increased using standard USB hubs.
- Powered at both the local extender (LEX) and remote extender (REX) modules.
- REX USB ports support high powered (500mA) devices.

**Specifications subject to change without notification.**

Contact SmartVM Sales at [sales@smartvm.com](mailto:sales@smartvm.com) for more information.

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## Ordering Information

USB 2.0 Ranger 442/444 solutions include a Local Extender (LEX) module, a Remote Extender (REX) module, a USB cable, 2 power adapters and User Guide.

Name	Part Number	Description
USB 2.0 Ranger 442	00-00213G	4-Port 500m Multimode fiber Extender, 100-120V NA power adapters.
USB 2.0 Ranger 442i	00-00214G	4-Port 500m Multimode fiber Extender, International 100-240V power adapters.
	00-00215G	North America Power Cords
	00-00216G	European Power Cords
	00-00216G	UK Power Cords
USB 2.0 Ranger 444	00-00218G	4-Port 10km Singlemode fiber Extender, 100-120V NA power adapters.
USB 2.0 Ranger 444i	00-00219G	4-Port 10km Singlemode fiber Extender, International 100-240V power adapters
	00-00220G	North America Power Cords
	00-00221G	European Power Cords
	00-00221G	UK Power Cords

## Product Specifications

Ranger 442 (Multimode) Reach	500m (1650 ft) on 50/125µm MMF 300m (1000 ft) on 62.5/125µm MMF
Ranger 444 (Singlemode) Reach	10km
USB cable	2m (6.6 ft)
LEX connector (upstream)	1 x USB Type B
LEX connector (downstream)	1 x Duplex LC
REX connector (upstream)	1 x Duplex LC
REX connector (downstream)	4 x USB Type A
Power adapter capacity	5V DC @ 3A (connected at LEX and REX)
Power available to USB at REX	4 x 500mA
LEX dimensions	107mm x 84mm x 34mm (4.25" x 3.4" x 1.4")
REX dimensions	114mm x 106mm x 38mm (4.5" x 4.2" x 1.5")
LEX/REX weight	0.3 kg (0.6 lb)
Total system shipping weight	1.1 kg (2.4 lb)
Temperature range	4°C to 40°C
Regulatory Testing	FCC, CE Class A

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