

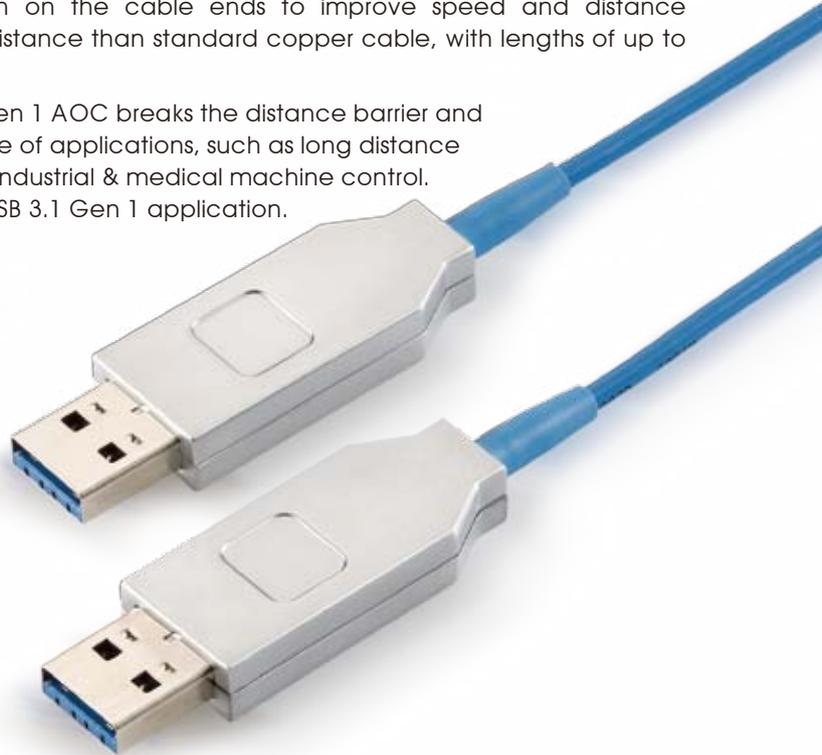
20104025 **DIREKTRONIK** Up to 100 meter

USB3.1 Gen1 Active Optical Cable

Backward Compatible with USB2.0/USB 1.1

The USB 3.1 Gen 1 Active Optical Cable was designed to be fully compliant with SuperSpeed USB electrical specifications. It uses electrical-to-optical conversion on the cable ends to improve speed and distance performance of the cable which supports far longer distance than standard copper cable, with lengths of up to 100m available.

With an ultra-thin profile and long reach, the USB 3.1 Gen 1 AOC breaks the distance barrier and introduces USB 3.1 Gen 1 devices to a whole new range of applications, such as long distance machine vision, security & High Definition surveillance, industrial & medical machine control. AOC offer a quick solution to supply longer cable for USB 3.1 Gen 1 application.

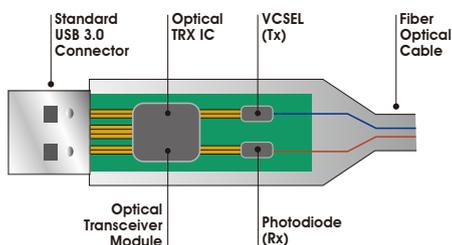


Features:

- Extend USB 3.1 Gen 1 devices up to 100m over fiber optics
- Convert USB electrical data signal to optical signal
- Compliant with SuperSpeed USB specifications, 5Gbps data rate
- Supports 850 nm VCSEL (Multi-Mode)
- Less EMI/RFI for sensitive environment
- Metal housing for superior EMI performance
- Low power consumption
- Plug and play
- Lighter, thinner, 3.0mm fiber cable diameter
- Supports all major operating systems including Windows, Mac OS 10.8 and higher, and Linux Kernel 3.11.10 and higher
- Available in 10m/20m/30m/50m/100m lengths

Application:

- Zero Client Connectivity
- USB3.0 device sharing: printer, scanner, storage
- Security: web camera, access control
- Smart Digital Video Surveillance System
- Home Networking integration
- Industrial and medical machine control
- Remote Storage & HD Display



Specifications:

Item	USB 3.1 Gen 1 AOC Cable
Model name	USB 3.1 Gen 1 AOC 100 series
Connector	USB 3.1 Gen 1 Standard-A Plug
Housing	Metal- Zinc Alloy
Cable diameter	3.0mm
Max. data rate	5.0Gbps
Range	100m (330 ft) over multimode optical fiber
Optical Transceiver	850 nm VCSEL (multimode)/ GaAs PD
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F).
Humidity	5% to 90% (non-condensing)
Cable lengths	10m/20m/30m/50m/100m

Ordering information

Part number	Description
20104025	USB 3.1 Gen1 AOC 10 meter with Dongle
20104027	USB 3.1 Gen1 AOC 20 meter with Dongle
20104028	USB 3.1 Gen1 AOC 30 meter with Dongle
20104029	USB 3.1 Gen1 AOC 50 meter with Dongle
20104054	USB 3.1 Gen1 AOC 100 meter with Dongle

Package Contents:

- USB 3.1 Gen 1 AOC
- 5V/2A External power adapter
- Dongle

