cudy

Model: MC220

10/100/1000 Mbps
Ethernet Media Converter

cudy

1000M
Fiber ACT
FDX
100M
TP ACT
PWR

SFP

Gigabit Ethernet

Highlights

10/100/1000 Mbps RJ45 to SFP Slot media
converter for long distance transmission demand.

- Gigabit RJ45 Port to SFP Slot
- Hot-Swappable on RJ45 and SFP
- LFP and FEF for Troubleshooting
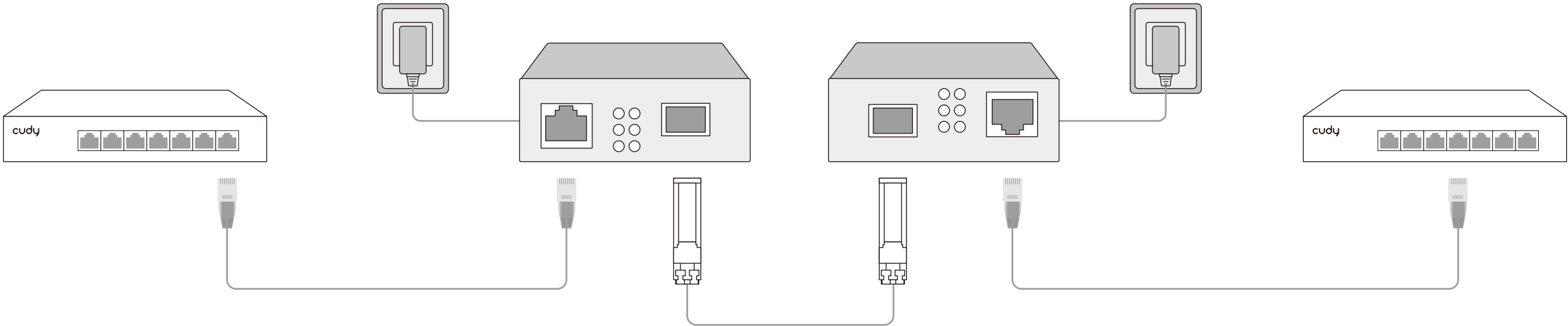- Speed, Link, FDX, PWR LED

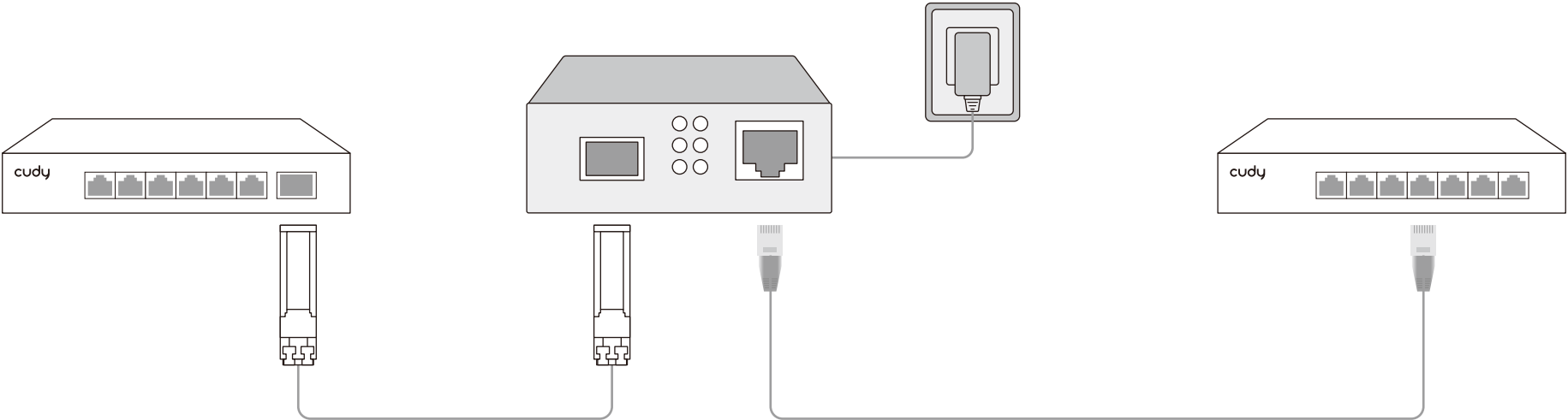# Package Content

- MC220
- Installation Guide
- Power Adapter

LEDs

PWR	On	Power on
	Off	Power off
1000M	On	RJ45 port is negotiated at 1000Mbps
	Off	RJ45 port isn't connected or negotiated at 1000Mbps
100M	On	RJ45 port is negotiated at 100Mbps
	Off	RJ45 port isn't connected or negotiated at 100Mbps
TP ACT	On	RJ45 port is connected
	Quick Flash	RJ45 port is transmitting or receiving data
	Slow Flash	A break or other fault has been detected at the fiber or copper cable
	Off	RJ45 port isn't connected
Fiber ACT	On	Fiber port is connected
	Flash	Fiber port is transmitting or receiving data
	Off	Fiber port isn't connected
FDX	On	RJ45 port is in full-duplex mode
	Off	RJ45 port isn't in full-duplex mode

Scenario 1: Connect devices without optical interface

Scenario 2: Connect device with & without optical interface

Interfaces

1.25G SFP Slots	1
SFP Hot Swapping	True
Gigabit RJ45 Ports	1
LED	PWR: Power on/off
	1000M/100M: RJ45 link speed
	TP ACT: RJ45 status
	Fiber ACT: SFP status
	FDX: full-duplex status
Power Input	DC Jack

Performance

Copper Speed and Distance	Cat. 3 or higher cable: 100 meters at 10 Mbps
	Cat. 5 or higher cable: 100 meters at 100 Mbps
	Cat. 5e or higher cable: 100 meters at Gigabit
Optical Spec and Distance	Depends on the Installed Optical Module
Jumbo Frame	16 KB

Power

Power Methods	DC
DC	5V 0.55A
AC	100-240V 50/60Hz
Max Power Consumption	2.3W (45°C / 113°F Ambient Temp.)
	1W (20°C / 68°F Ambient Temp.)
Idle Power Consumption	0.5W

Network

802.3 Protocols	802.3i 10BASE-T
	802.3u 100BASE-T
	802.3ab 1000BASE-T
	802.3x Flow Control
	802.3az Power Saving
Troubleshooting	Far End Fault (FEF), Link Fault Pass Through (LFP)

Reliability

Environment	Operating Temperature: 0~50 °C (32~122 °F)
	Storage Temperature: -40~70 °C (-40~158 °F)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~95% non-condensing

Mechanical

Dimension	70×94×26 mm
	2.76×3.7×1.02 inches
Product Weight	142.0 g (5.01 oz.)
Casing Material	Metal
Installation	Desktop
	Chassis

Ordering Information

Retail Package Dimension	185×129×56 mm
	7.28×5.08×2.2 inches
Retail Package Weight	EU: 327.5 g (11.55 oz.)
Units per Carton	40
Carton Net Weight	EU: 13.1 kg (28.88 lbs)
Carton Gross Weight	EU: 14.0 kg (30.86 lbs)
Carton Dimension	537×303×391 cm
	211.42×119.29×153.94 inches