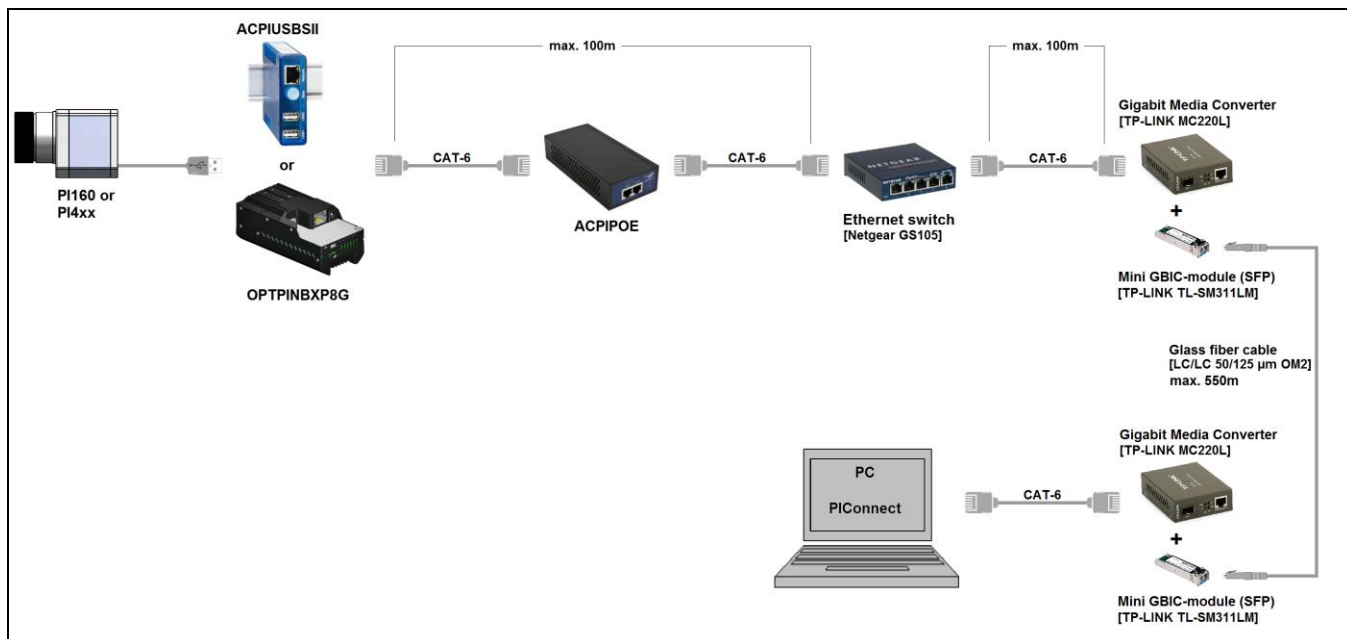


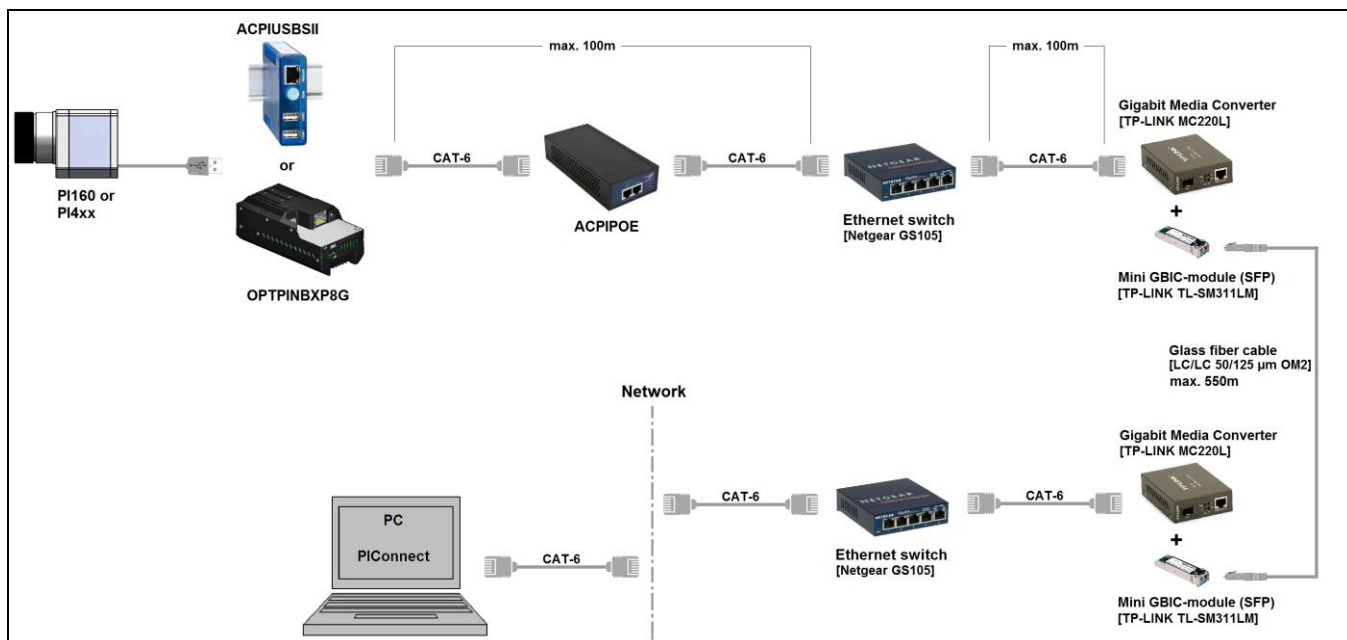
Technical Note

Ethernet fiber cable extension for optris PI with USB-Server Industry Isochron or PI NetBox

1. Ethernet direct connection (point-to-point)



2. Ethernet network connection



Technical Note

Recommended network components

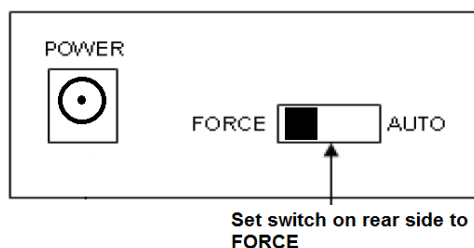
PoE injector	ACPIPOE (Optris part# / list price: 95 €)
Ethernet switch:	Netgear GS105 (online prices starting at 20 € net)
Media converter:	TP-LINK MC220L, Gigabit Media Converter (online prices starting at 20 € net)
Mini GBIC-module:	TP-LINK TL-SM311LM (online prices starting at 38 € net)

Recommended cables

Fiber cable:	Duplex multi-mode fiber cable, 50/125 µm, OM2 connector type: LC/LC
Ethernet cables:	CAT-6, S/FTP

Media converter settings

For both connection modes (direct / network) please make sure that the switch on the rear side of the TP-LINK Media converter is set to "FORCE" before powering the units:



Connecting the fiber cables

Please use a suitable fiber cable with LC connectors according to the specification shown above and make sure that the **TX** port of Media converter A is connected to the **RX** port of Media converter B and vice versa:

