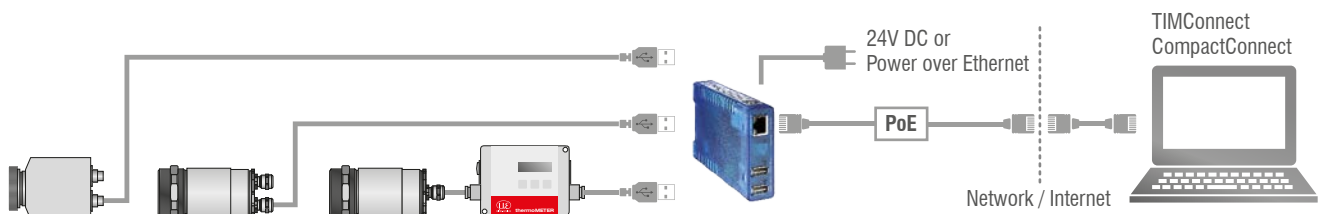**MICRO-EPSILON**

More Precision

**thermoIMAGER TIM** // Compact thermal imaging cameras

**thermoIMAGER TIM USB Server Gigabit**
**Simple cable extension for the thermoIMAGER TIM series and pyrometers**
- Fully compatible with USB 2.0, data transfer rate 1.5 / 12 / 480 mbps,
  USB transfer modes: Control, Bulk, Interrupt, Isochronous
- For all models in the thermoIMAGER TIM series 1x TIM VGA, 1x TIM QVGA, 2x TIM 160S
- Full TCP/IP support incl. routing and DNS
- 2x independent USB ports
- Galvanic isolation 500 $V_{RMS}$ (network connection)
- Remote configuration via web-based management

24V DC or
Power over Ethernet

TIMConnect
CompactConnect

PoE

Network / Internet

| Model | TIM USB Server Gigabit |
|---|---|
| USB ports | 2x independent USB ports |
| USB speed | 480 Mbit/s |
| Network | 10/100/1000 BaseT (max. 1000Mbit/s) |
| Power supply | Power over Ethernet (PoE) class 3 (6.49 - 12.95 W) or via screw terminal DC 24 V ... 48 V ($\pm$10 %) |
| Power consumption | External power supply (24 V DC) without USB devices: typ. 120 mA<br>External power supply (24 V DC) with 2 USB devices each 2.5 W: typ. 420 mA |
| Ambient temperature | Storage: -40 ... 85 °C<br>In operation, individually assembled: 0 ... 50 °C |
| Permissible relative humidity | 0 - 95 % (non-condensing) |
| Housing | Compact plastic housing for DIN rail mount, 105 x 75 x 22 mm |
| Weight | 200 g |
| Scope of supply | 1 x USB Server Gigabit<br>24 V DC power supply unit<br>Quick guide [1] |
| USB protocols | USB 1.0 / 1.1 / 2.0 Control / Bulk / Interrupt / Isochronous |
| Protocols for direct network connection | TCP/IP: Socket<br>Auxiliary protocols: ARP, DHCP, HTTP, PING Inventory keeping, group management |

[1] TIMConnect CD or Compact Connect CD: USB redirector | WuTility Management Tool | Operating instructions (DE/EN)

# Sensors and Systems from Micro-Epsilon



Sensors and systems for displacement, distance and position



Sensors and measurement devices for non-contact temperature measurement



Measuring and inspection systems for metal strips, plastics and rubber



Optical micrometers and fiber optics, measuring and test amplifiers



Color recognition sensors, LED analyzers and inline color spectrometers



3D measurement technology for dimensional testing and surface inspection