

PT-20MG

1000BASE-T1 Ethernet logging expansion with low latency

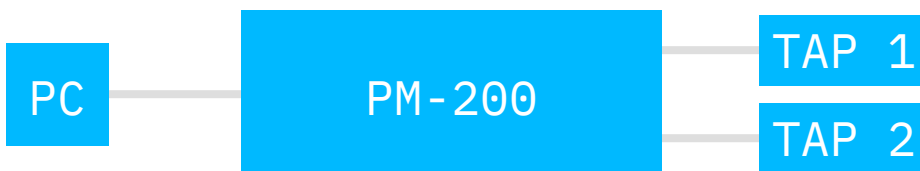
The PT-20MG expands the Automotive Data Loggers from the Power Family by adding six 1000BASE-T1 automotive gigabit Ethernet interfaces. Ethernet traffic is looped through the device with constantly low latency irrespective of the frame length. This means that the time synchronization protocols of the logged Ethernet interfaces are not affected. 1000BASE-T1 packets are time-stamped, filtered and sent to the data logger via a 1000BASE-T interface.

KEY BENEFITS

- 6 × 1000BASE-T1 Automotive Gigabit Ethernet
- Loop through with constant latency, independent of the frame size
- High performance for full network utilization
- Ethernet filter function
- Cascadable

EXPANSION OF THE POWER FAMILY

Up to two PT-20MG units or a combination of PT-20MG and PT-15B units can directly be connected to the Automotive Data Loggers, which makes it possible to log up to 12 × 1000BASE-T1 interfaces.



DEVICE SPECIFICATIONS

HARDWARE	2 CPU cores for time-stamp and filter (2 × 800 MHz) 2 GB buffer RAM
LOGGING INTERFACES	1 x Ethernet 1000BASE-T 1 x Ethernet SFP
VEHICLE INTERFACES	6 × 1000BASE-T1
OPERATING TEMPERATURE	-40°C to +75°C
ELECTRICITY CONSUMPTION	10W
OPERATING VOLTAGE	6 V to 32 V
DIMENSIONS	150 x 140 x 50mm (L x B x H, height tentative)
WEIGHT	0.95 kg
ORDER NUMBER	13395