

SINERGIA Netcard



Loop/Star Network Card

The network of Sinergia is monitored and ultra-fast, it is capable of simultaneously transmitting 64 ~ 600 audio channels (24 bit, 48 kHz sampling rate) of audio and data with low latency < 0.08 ms⁻¹ per node over STP CAT5/6 or fiber-optic. Up to 256 SNG-PR, SNG-VM or SNG-AM processors can be connected under the ATEIS-Net. Thanks to the benefits of ATEIS redundant network algorithm, ensures that the system remains functional even if a cable is unexpectedly disconnected.

The 3rd generation ATEIS-Net card provides 100M/1G dynamics bend-width allocation. The installation of NET3-RR netcard (RJ45 to RJ45 port) is suitable with a maximum distance of 100m network. For installation with longer distances, the NET3-MR/NET3-RM/NET3-MM are used to extend distances up to 2 km (multi-mode fiber-optic); the NET3-SR/NET3-RS/NET3-SS are up to 20 km (single-mode fiber optic), and longer distances are available upon request.

*1: In star wiring mode, less than 1 ms within 7 hubs or switches. In redundant loop mode 1 ms within 12 nodes, and then 83.3 μs more per node.

FEATURES

- Secured and dedicated card for audio and data transmission
- Low latency < 0.08 ms⁻¹ per node
- Redundant loop or star architecture

CONTROLS AND INDICATORS

- RJ45/fiber-optic ports for system network connections
- Network active LED (data running)
- Network present LED (network present)

NETWORK

- Loop/Star Network Card (100M/1G) Dynamic
 - Max. distance between units
 - 100m (STP CAT5/6)
 - 2 km (multi-mode fiber optic)
 - 20 km (single-mode fiber optic)
 - Fiber optic
 - Connector type: LC
 - Fiber size: 50/125 μm (multi-mode), 9/125 μm (single-mode)
 - Center wavelength: 1310 nm (multi-mode/single-mode)

MECHANICAL

- Dimensions (W x H x D): 63 x 15 x 105 mm (2.5 x 0.6 x 4.1 inch)
- Weight: 0.2 kg (0.4 lbs)

ENVIRONMENTAL

- Operating temperature: -5 °C ~ +55 °C (+23 °F ~ +131 °F)
- Storage temperature: -40 °C ~ +70 °C (-40 °F ~ +158 °F)
- Relative humidity: 20% to 95%
- Air pressure: 600 to 1100 h Pa

ORDERING INFORMATION

- Loop/Star Network Card(100M) Dynamic
 - NET3-RR: Netcard,RJ45(A)-(B)
 - NET3-MR: Netcard,Fiber Multi(A)-RJ45(B),excl Ass'y Pillar
 - NET3-SR: Netcard,Fiber Single(A)-RJ45(B),excl Ass'y Pillar
 - NET3-RM: Netcard,RJ45(A)-Fiber Multi(B),excl Ass'y Pillar
 - NET3-RS: Netcard,RJ45(A)-Fiber Single(B),excl Ass'y Pillar
 - NET3-MM: Netcard,Fiber Multi(A)-(B),excl Ass'y Pillar
 - NET3-SS: Netcard,Fiber Single(A)-(B),excl Ass'y Pillar
- Loop/Star Network Card(1G) Dynamic
 - NET3-JJ: Netcard,RJ45(A)-(B)
 - NET3-TJ: Netcard,Fiber Multi(A)-RJ45(B),excl Ass'y Pillar
 - NET3-GJ: Netcard,Fiber Single(A)-RJ45(B),excl Ass'y Pillar
 - NET3-JT: Netcard,RJ45(A)-Fiber Multi(B),excl Ass'y Pillar
 - NET3-JG: Netcard,RJ45(A)-Fiber Single(B),excl Ass'y Pillar
 - NET3-TT: Netcard,Fiber Multi(A)-(B),excl Ass'y Pillar
 - NET3-GG: Netcard,Fiber Single(A)-(B),excl Ass'y Pillar