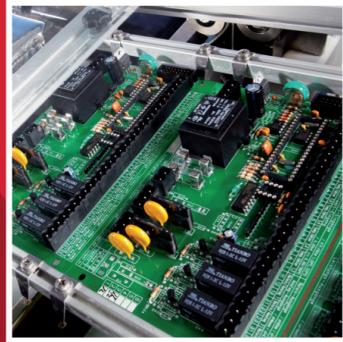


Components for industrial electronics



Passive + discrete:

- Capacitors
- MLCC
- Safety capacitors
- Varistors
- Fuses
- PTC

Active:

- TVS-diodes/arrays
- GTA/gas tube arresters
- Diodes (Schottky, Zener, fast efficient, high-voltage)
- AD and DA converters
- RF receivers and transceivers
- Analog/mixed signal modules

Sealing compound/Silicone RTV:

- Thermal management
- Adhesives and sealing compounds
- Coatings (conformal coating)

Fiber-optic cables and components for BROADCASTING



Optical systems:

- Optical transceivers and media converters
- Fiber-optic patch and field cables
- Lens and hybrid connectors
- SMPTE fiber-optic connectors and cables
- In-house assembly and production

Wireline:

- HF plug connectors (BNC, SMA, f-Type)
- True 75 Ω BNC
- 40 GHz cables and connectors

Wireless:

- 868,915 MHz transceivers for audio signals
- 30/60 GHz for video signals
- 19" plug-in housing



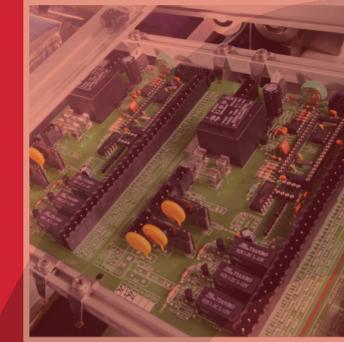
SINUS Electronic GmbH

Innovative products for Military, Industry and Broadcast

For more than 30 years the SINUS Electronic GmbH produces innovative products for the NATO and works together with international semiconductor-manufacturers, whose products we distribute on the European market.

The SINUS Electronic-Team of development, production and distribution is the important basis for keeping up with the constant complex challenge of the markets. Continuous improvement processes and latest methods of manufacturing make it possible, to optimize our production process steadily. Due to our quality management system an allover traceability of the orders and manufacturing processes is possible at any time.

Our suppliers:



Components for industrial electronics

In-house assembly of fiber-optic cables to customer specifications



Electronic components for MILITARY APPLICATIONS



Fiber-optic cables and components for BROADCASTING

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SINTAB® - customized module for overvoltage protection

TRANSFIL® - customized passive low pass filter against high frequenz interference

SINCOX® - customized coax LC-Filter with lowpass characteristic

SINCASE® - customized housing system with extremly high attenuation

SINUS has achieved several Quality standards inclusive of:

VG – Bundeswehr

STANAG – NATO

MIL-STD – US-Defence Department

SINUS' NATO supplier code is C 3563

Due to the close collaboration of our developer and designer with our customers, also the most complex requirements can be realized (see example on the right)

The newest creation from SINUS, especially for the military aftermarket. The smallest military ruggedized connecting interface for Power, Signal and Data line applications with lightning protection (5kA@8/20) and HF filtering up to 10 GHz/60DB.

Connecting Interace for Shelters (patent pending)

- Smallest, military connecting interface for Power, Signal and Data lines
- Lightning protection up to 10kA @ 8/20
- HF filtering up to 10GHz / 60 db
- Power line protection up to 50A / 230 V AC
- Fast and easy after-market installation

Reference - Projects



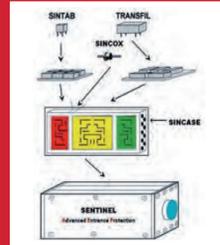
Boxer



Patriot



Pandur



MDPL (Military-Data-over-Power-Line) (patent pending)

- Fast deployment
- Manage up to 100 IP phones
- Crypted twice (no interception)
- Easy connection from Telephone by single power plug
- Manage up to 20 calls simultaneously
- Internet across ADSL or WLAN port
- Attachment from Ethernet equipment across RJ45 bush
- Transmission rate up to 1 Gbit/s
- Only one cable for power, ethernet and communication
- Daisy chain option for more flexibility
- Maximum cable lenght 500 m
- Provides power connection 230V/16A

LWL cable drum (patent pending)

- Easy and secure communication outside your field camp
- Maximum cable length 1000 m
- Single or Multimode
- Data transfer rates up to 10 Gbit/s
- Up to 8 LAN connectors, there of 4 POE possible
- Battery operating time up to 24h (load dependent)
- Easy connect by Ethernet devices via RJ45 jacks
- Ruggedized
- Daisy chain option to another LWL cable drum

ICMT (Inductively Coupled Mobile Telephone) (patent pending)

- Easy connection to deployed cable, anywhere
- Up to 12 hours call time
- Fast charge function
- Temperature range -40°C to +85°C
- Ruggedized
- Silent mode by key stroke
- Illuminated keyboard
- LAN Port for Notebook connection (1 Gbit/s)
- Weight 4.8 kg
- Dimensions 290 x 140 x 175 mm (L x W x H)



Glass fiber technology

- Multimode cable
- Singlemode cable
- Expanded beam connector (HMA, HMC, S9000, etc.)
- Fiber optic connectors (MHC, F-Link, etc.)
- DIN-certified Inhouse and assembly production

Active

- Transceiver
- Low Rider Transceiver
- 1x9 Transceiver
- Miniature (RJ) Transceiver
- SFP Transceiver
- AD and DA converters

Passive

- MARS® – Reel
- F-Link TM Inter connect system
- TFOCA 2 Inter connect system

RF – Coaxial - components

- SMA, SMA 3.5
- BNC, TNC
- SMB, SMC
- Triax, Twinax

QPL - components

- Diodes
- Wafer
- Fuses
- Fuses carrier
- PTC's
- SMB, SMC
- UMC (U.FL compatible)

