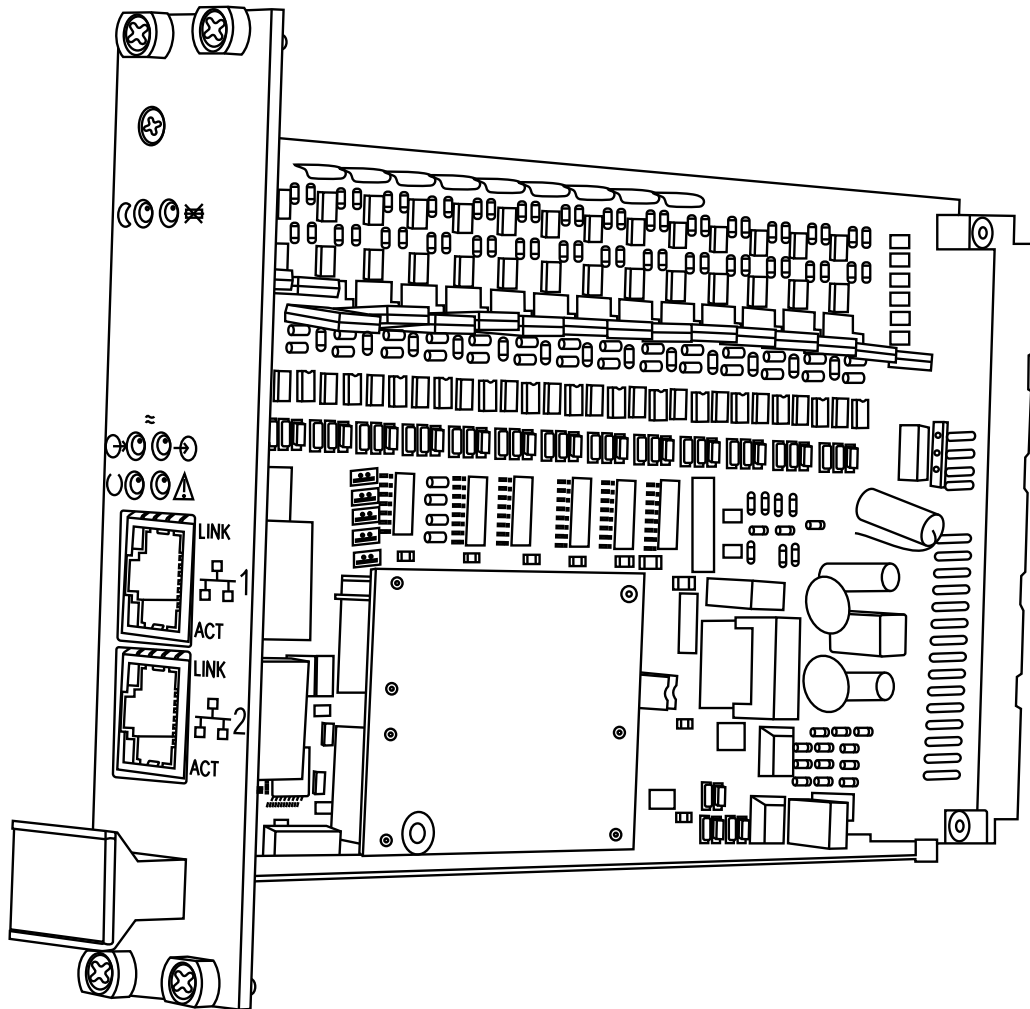


# DS-6 Analogue Interface Module

Optional DS-6 backplane

for four analogue DS-6 interface modules



2 390 4

DS-6 Analogue Interface Module  
Edition 01-2022 / Page 1  
© Neumann Elektronik GmbH

Ver. 18.12.21 21:19



# Established Neumann Elektronik quality

Full compatibility with DS-6 and TIMM system

96-pole mutliway connector according to DIN 41612 design C

Front plate contains 2 RJ45 sockets and 6+4 LEDs

Operating current monitoring of the call stations

Fuse monitoring

Temperature monitoring

Separately configurable operating mode for each component port

Galvanic isolation of line connection / control lines

Watchdog

Switchable input and output impedance

c-point control and line voltage are configurable  
with jumper in the housing

Switchable volume reduction e.g. for night operation

The DS-6 Analogue Interface Module serves as an adapter/interface for connecting analogue microphone units, amplifiers and other analogue terminals to the DS-6 decentralised communication system.

The S-6 Analogue Interface Module offers the possibility to connect a microphone unit or an amplifier for max. four loudspeaker circuits.

The optional DS-6 backplane is designed for four Analogue DS-6 Interface Modules and has four USB-A sockets for USB sticks on which alarm tones or announcement texts can be stored.

## Mechanical data

Dimensions

6 HP / 3 U

---

## Technical data

Operating voltage	DC 5V, DC 48V
Power input for DC 48V without line and call station energizing current	Approx. 600 mA
Call station energizing current	Max. 1,25A per call station
Line current rating (maximum used line current)	90mA
Frequency range	300Hz...12kHz
Line level	0dB / 775mV
Cable length analogue interface	Max. 3km balanced line (shielded twisted pair) 0,8mm Ø
Input impedance	Ri = 600R or 10K (configurable)
Output impedance	Ri = 600R or 100R (configurable)
Communication protocol	Neumann DS-6 IP protocol
IP hardware interface	LAN: 100-BASE-T Autonegotiation Ethernet in conformity with IEEE 802.3u

---

## Environmental data

Temperature range	+5 up to +40°C
Protection class according to DIN EN 60529, or IEC 60529	IP20

# 2 390 4

DS-6 Analogue Interface Module  
Edition 01-2022 / Page 3  
© Neumann Elektronik GmbH

Ver. 18.12.21 21:19

 NEUMANN®

## Accessories

Art. no.	Article	Description
22 1 5102 390 5	DS-6 Backplane	<ul style="list-style-type: none"><li>• In module racks 19" 3HE according to DIN EN 60297-3-101 or IEC 60297-3 mountable</li><li>• Interfaces for four analogue DS-6 interface modules</li><li>• Four USB interfaces for programmable speech memory sticks</li></ul>
2 184 3	DC/DC Converter module	VIN = 48V OUT = 5V / 6A – 12V / 2A
3 331 0	DS-6 Analogue-Adapter	8-fold. The DS-6 Analogue Adapter serves as an adapter or interface for connecting up to eight analogue microphone units to the DS-6 decentralised communication system.
1 750 3	MTSA 8 Keys	Multifunctional desk station
1 751 4	MTSA 16 Keys	Multifunctional desk station
1 752 5	MTSA 24 Keys	Multifunctional desk station
1 753 6	MTSA 32 Keys	Multifunctional desk station
1 590 5	WFA 1 Double gag	Weatherproof call station analogue version, 2 Talk buttons
1 588 2	WFA 2 Double gag	Weatherproof call station analogue version, 4 Talk buttons
1 589 3	WFA 3 Double gag	Weatherproof call station analogue version, 6 Talk buttons
1 575 8	WFA EXPROOF 1 Double gag	Weatherproof call station explosion-proof analogue version, 2 Talk buttons
1 579 2	WFA EXPROOF 2 Double gag	Weatherproof call station explosion-proof analogue version, 4 Talk buttons
1 577 0	WFA EXPROOF 3 Double gag	Weatherproof call station explosion-proof analogue version, 6 Talk buttons



Our products and systems at a glance under:  
[neumann-elektronik.com/system-overview](https://neumann-elektronik.com/system-overview)



**Neumann Elektronik GmbH**

**Lahnstrasse 31-33  
45478 Mülheim an der Ruhr  
Germany**

**[info@neumann-elektronik.com](mailto:info@neumann-elektronik.com)  
[www.neumann-elektronik.com](https://www.neumann-elektronik.com)**

**2 390 4**

DS-6 Analogue Interface Module  
Edition 01-2022 / Page 5  
© Neumann Elektronik GmbH

Ver. 18.12.21 21:19

