

Systemforstærkere

DI-4.1000

Højtydende systemforstærker til mobil og fast installation, 4 × 1000 W, 2 HE, 19".



Analog

AES/EBU

 Dante™

Systemforstærkere DI-4.1000

DI-4.1000 er en digital 4-kanals forstærker fremstillet i Tyskland. De DSP-forstærkere, der er udviklet og fremstillet af Fohhn, har en høj effektivitet og en fremragende lyd. Forstærkerne er beregnet til mobile lydsystemer og fast installation. De har alle de vigtigste funktioner og næsten ubegrænsede tilslutningsmuligheder med hensyn til lydindgange. Uanset om det er AES/EBU, Dante eller analogt - de tilbyder maksimal fleksibilitet takket være udskiftelige tilslutningsmoduler. De tilsvarende højttalerforindstillinger sikrer optimal ydeevne og pålidelighed.



Main features

- Udgangseffekt: 4 × 1000 W / 4 ohm / 100 V / 70 V
- Kan fjernbetjenes og styres via Fohhn Net
- Omfattende DSP, der kan styres i realtid med Fohhn Audio Soft
- Q-SYS Plugin tilgængelig
- Temperaturstyret, støjsvag ventilator
- Auto Power Save for minimumskrav til standbyeffekt
- Installationsstørrelse: 2 U / 19"
- Let vægt, kun 9,8 kg



Fås med følgende farvevarianter



Sort

Udstyret med følgende Fohhn-teknologier



Fohhn DSP inde på



100 V valgfri



Auto Power Save



Power Sharing

Mulige indgangsinterfaces for dette produkt

Analog

AES/EBU

Dante™

Tekniske data

Physical features	
dimensions (w × h × d)	2 U / 19", 485 x 89 x 425 mm
weight	9.8 kg
Electronic features	
amplifier technology	Class D
amplifier outputs	4
DSP routing (matrix)	4 × 4
frequency response	20 Hz – 20 kHz
signal/noise ratio	>100 dB/A
THD+N	0.08 % (1 kHz, 8 ohms, 3 dB below clipping)
dynamic range	>120 dB
password protection	yes
auto power save	adjustable from 1 s to 12 h, or never active
protective circuit	over voltage protection, over current protection, over temperature protection, short-circuit protection, DC protection, power on delay, soft start and inrush current limit
power supply	100 – 240 V AC 50/60 Hz, universal power supply with Power Factor Correction (PFC)
power consumption	Maximum (RMS) 1200 W, idle state 70 W, auto power save 10 W, standby 5 W, power on/off switch / remote power off 2 W
heat dissipation	Maximal 200 W, 680 BTU/h, 172 kcal/h
temperature range	0 – 40 °C
cooling	temperature-controlled fan
output power	4 × 1000 W / 4 ohms / 100 V / 70 V, 4 × 500 W / 8 ohms (1 kHz, THD+N
minimum impedance	3 ohms
input channels	4

Controller	
digital signal processors	2
independent limiters	20
FIR filter	yes
input gain	-80 dB – +12 dB
routing gain	-80 dB – +12 dB
output gain	-80 dB – +12 dB
EQ	8 × 10 fully parametric filters, gain +/-12 dB, frequency 10 Hz – 20 kHz, Q 0.1 – 100
selective 3-band limiting	bass / mid / high
limiter / compressor	8
noise gate	8
delay	4 × 0 – 350 ms (0 – 120 m) outputs, 4 × 0 – 88 ms (0 – 30 m) inputs
X-over	8 × Linkwitz-Riley 4th order (24 dB/octave), high pass 10 Hz – 20 kHz, low pass 10 Hz – 20 kHz
user presets	100
speaker presets	100
system latency	1.2 ms
band-specific time constants	yes
filter technology	80-bit double precision
input	AES/EBU 32 kHz – 96 kHz, 16/24 bit
input DSP processing	yes

Remote control and remote monitoring

remote control	Fohhn Net over RS-485, Fohhn Audio Soft
remote monitoring	temperature, protect, signals, power supply, Fohhn Net, Fohhn Audio Soft
fault message contact	1 × Relais, 2 × UM, 3-pin Phoenix
switching contact	load preset, standby on/off

Display (front)

receive / send LED	remote control, Fohhn-Net
ready LED	blue = Power on, blue flashing = Sign
protect LED	red = Error / Protect / Standby
input LED	4 × input signal LED, white = signal (> -50 dBFS), red = clip (> -3 dBFS)
output LED	4 × output signal LED, white = signal (> -50 dBFS)

Connections and controls

controls	Power on/off Switch
mains connection	1 × PowerCON
fault contact (open/close)	1 × Phoenix 3-pin
switching contact 1 and 2	1 × Phoenix 3-pin
remote power in / out	2 × Phoenix 2-pin
power supply for extern small devices 24 V / 5 W	1 × Phoenix 2-pin
24 V / 5 W power LED	green = on
USB Config	1 × USB-C socket

vægt: nettovægt uden ekstraudstyr

varmeafgivelse: lyserød støj, 6 dB crest, 1/4 Pmax

Standard input interface (AES/EBU)



Standard input interface (AES/EBU)

inputs	2 × Phoenix 3-pin AES/EBU, 1 × Phoenix 3-pin Fohhn-Net
outputs	2 × Phoenix 3-pin AES/EBU, 1 × Phoenix 3-pin Fohhn-Net
signal inputs	AES/EBU 32 kHz – 96 kHz, 16/24 bit
signal outputs	AES/EBU link out from input
latency	0.0 ms

Indgangsgrænseflade AES/EBU XLR



Input interface AES/EBU XLR

inputs	2 × XLR AES/EBU, 1 × etherCON Fohhn-Net
outputs	2 × XLR AES/EBU, 1 x etherCON Fohhn-Net
signal inputs	AES/EBU 32 kHz – 96 kHz, 16/24 bit
signal outputs	AES/EBU link out from input
latency	0.0 ms

Indgangsgrænseflade analog XLR



Input interface analog XLR

inputs	4 × XLR analogue, 1 × etherCON Fohhn-Net
outputs	4 × XLR analogue, 1 × etherCON Fohhn-Net
signal inputs	analog, max. level +15 dBu
signal outputs	analog link out from input
frequency response	20 Hz – 20 kHz
THD	
S/N ratio	>110 dB/A
input impedance	10 k ohm
latency	1.0 ms

Indgangsgrænseflade Dante Ultimo (DUC)



Input interface Dante Ultimo (DUC)

integration in media control	UDP text protocol
support for AES67	Yes
latency	Dante +0.6 ms
inputs	1 × RJ-45 100BASE-T Ethernet, Dante and Fohhn-Net
audio input channels	4
audio link	No
redundancy	No

Output mulighed Speakon



Output option Speakon

outputs	4 × Speakon
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Terminalblokke til udgangsmuligheder



Output option terminal blocks

outputs	2 × Phoenix 4-pin
conductor cross-section	max. 6 mm ² flexible, 10 mm ² rigid

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