

РАЗДЕЛИТЕЛЬНЫЕ УСИЛИТЕЛИ ASK 44A, 44E, 44D

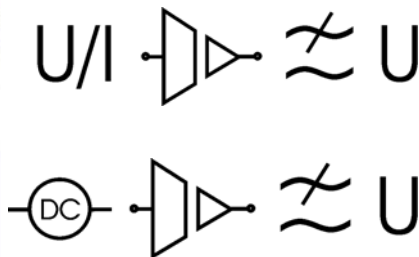
ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Смоленск (4812)29-41-54
Астана +7(7172)727-132	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Сочи (862)225-72-31
Белгород (4722)40-23-64	Кемерово (3842)65-04-62	Новосибирск (383)227-86-73	Ставрополь (8652)20-65-13
Брянск (4832)59-03-52	Киров (8332)68-02-04	Орел (4862)44-53-42	Тверь (4822)63-31-35
Владивосток (423)249-28-31	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Томск (3822)98-41-53
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Тула (4872)74-02-29
Вологда (8172)26-41-59	Курск (4712)77-13-04	Пермь (342)205-81-47	Тюмень (3452)66-21-18
Воронеж (473)204-51-73	Липецк (4742)52-20-81	Ростов-на-Дону (863)308-18-15	Ульяновск (8422)24-23-59
Екатеринбург (343)384-55-89	Магнитогорск (3519)55-03-13	Рязань (4912)46-61-64	Уфа (347)229-48-12
Иваново (4932)77-34-06	Москва (495)268-04-70	Самара (846)206-03-16	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Мурманск (8152)59-64-93	Санкт-Петербург (812)309-46-40	Череповец (8202)49-02-64
Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Саратов (845)249-38-78	Ярославль (4852)69-52-93

сайт: imtron.nt-rt.ru || эл. почта: ins@nt-rt.ru

ASK-44A



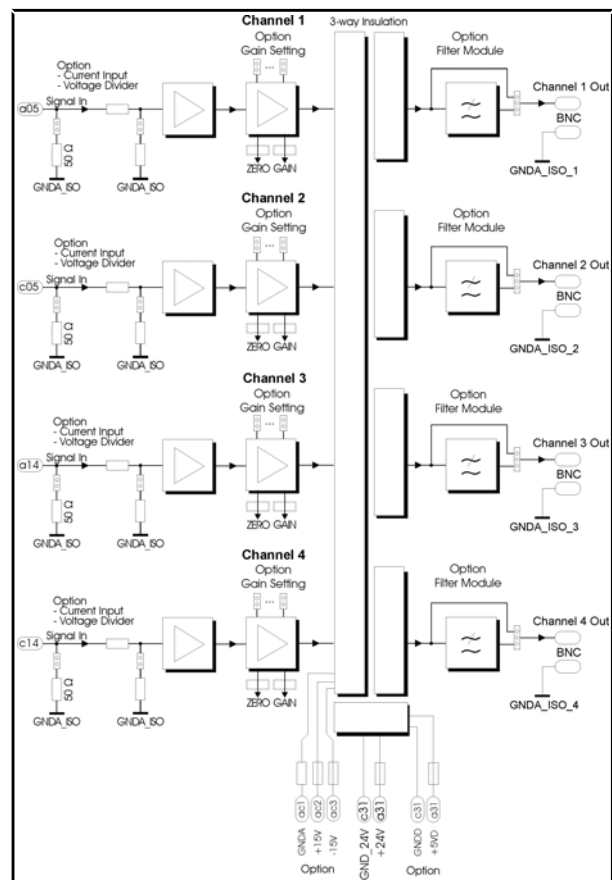
Characteristics

This **Analog Card** offers isolated signal conversion and filtering of 4 voltage or current signals. Signal outputs are via connectors at the front panel, signal inputs are fed through the card frame connector. Optionally signals can be amplified or attenuated. Inputs are on common ground, all outputs are isolated from each other. The card is also available as a version 2/4A with 2 inputs and 2 separate outputs each.

Technical Data

Supply voltage	24 V DC $\pm 10\%$
Power consumption at nominal voltage (without sensor / without load)	100 mA
Electrical isolation (3-way isolation)	2000 V DC (1 s) 600 V _{eff} (permanent)
Accuracy	< 0,1 %
Cut-off frequency (standard / maximum)	10 kHz / 30 kHz
Linearity (typical)	0.02 %
Input – Voltage	
Input range	± 10 V
Optional attenuation	± 50 V
Optional gain	± 10 mV.. ± 10 V
Input resistance	10 M Ω
Input – Current (optional)	
Input range	± 20 mA
Input resistance	50 Ω
Output – Voltage	
Output range	± 10 V
Load current	± 10 mA
Short proof	yes
Residual ripple @ $f_g = 10$ kHz	typical < 1 mV _{eff}
Environmental temperature	0..50 °C
Plug-in filter	10, 30, 50, 100, 300, 500, 1 k, 3 k, 5 k, 10 k, 30 k

Block Diagram



Dimensions

19" Unit, 3 U, 8 U (5 U, depending on version), depth 160 mm

Ordering Code

ASK-44A - 1. - 2. - 3. - 4.

1. Terminal	
BNC	BNC sockets
PHOE	Phoenix screw terminals
2. Input	
V1	± 10 V (standard)
V2	± 10 V, ± 50 V
V3	± 1 V, ± 10 V
YY	Enter non-standard value ± 10 mV..10V
A1	± 20 mA
3. Output filter frequency (Hz)	
IMP	Impedance converter
O	without filter
XXX	Enter standard value: 10, 30, 50, 100, 300, 500, 1k, 3k, 5k, 10k
	Enter non-standard value: 1..30k
4. Filter characteristics	
BW	Butterworth 4th order
BS	Bessel 4th order

Example: ASK-44A-BNC-V1-10k-BW

ASK-44E



$$U/I \rightarrow \text{[Symbol]} \approx U$$

$$\text{[DC Symbol]} \rightarrow \text{[Symbol]} \approx U$$

Characteristics

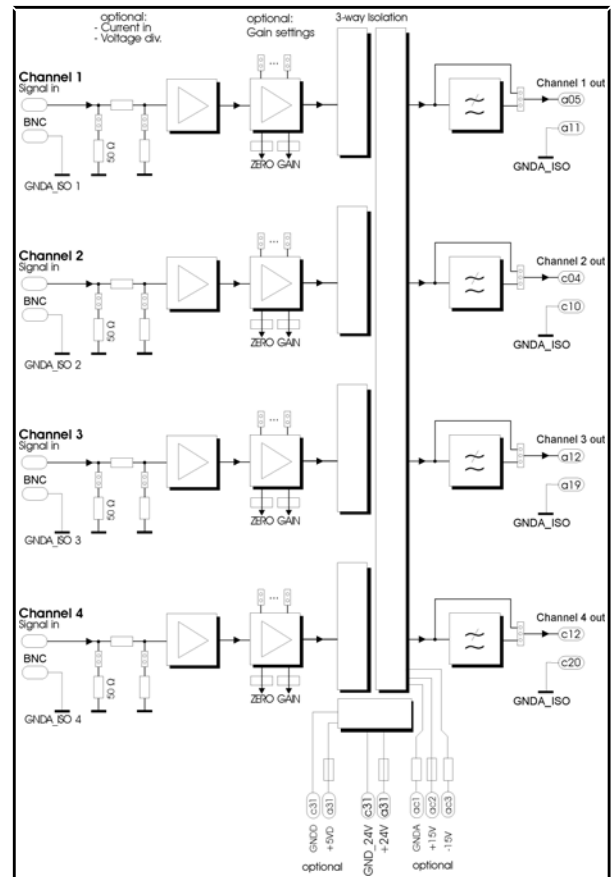
This **Analog Card** offers isolated signal conversion and filtering of 4 voltage or current signals. Signal inputs are via connectors at the front panel, optionally signals can be amplified or attenuated. Signal outputs are fed through the card frame connector. All inputs are isolated from each other, outputs are on common ground.

The card is also available as a version 2/4E with 2 inputs and 2 separate outputs each.

Technical Data

Supply voltage	24 V DC $\pm$ 10 %
Power consumption at nominal voltage (without sensor / without load)	100 mA
Electrical isolation (3-way isolation)	2000 V DC (1 s) 600 V _{eff} (permanent)
Accuracy	< 0.1 %
Cut-off frequency (Standard / Maximal)	10 kHz / 30 kHz
Linearity (typical)	0.02 %
Input – Voltage	
Input range	$\pm$ 10 V
Optional attenuation	$\pm$ 50 V
Optional gain	$\pm$ 10 mV.. $\pm$ 10 V
Input resistance	1 M Ω
Input – Current (optional)	
Input range	$\pm$ 20 mA
Input resistance	50 Ω
Output – Voltage	
Output range	$\pm$ 10 V
Load current	$\pm$ 10 mA
Short proof	yes
Residual ripple @ $f_g = 10$ kHz	typical < 1 mV _{eff}
Environmental temperature	0..50 °C
Plug-in filter Standard frequencies in Hz	10, 30, 50, 100, 300, 500, 1 k, 3 k, 5 k, 10 k, 30 k

Block Diagram



Dimensions

19" Unit, 3 U, 8 U (5 U, depending on version), depth 160 mm

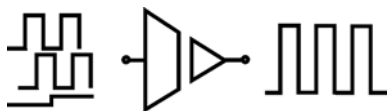
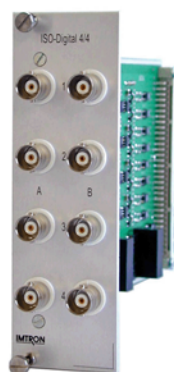
Ordering Code

ASK-44E - 1. - 2. - 3. - 4.

1. Terminal	
BNC	BNC sockets
PHOE	Phoenix screw terminals
2. Input	
V1	$\pm$ 10 V (standard)
V2	$\pm$ 10 V, $\pm$ 50 V
V3	$\pm$ 1 V, $\pm$ 10 V
YY	Enter non-standard value $\pm$ 10 mV..10V
A1	$\pm$ 20 mA
3. Output filter frequency (Hz)	
IMP	Impedance converter
O	without filter
XXX	Enter standard value: 10, 30, 50, 100, 300, 500, 1k, 3k, 5k, 10k
	Enter non-standard value: 1..30k
4. Filter characteristics	
BW	Butterworth 4th order
BS	Bessel 4th order

Example: ASK-44E-PHOE-V1-10k-BS

ASK-44D



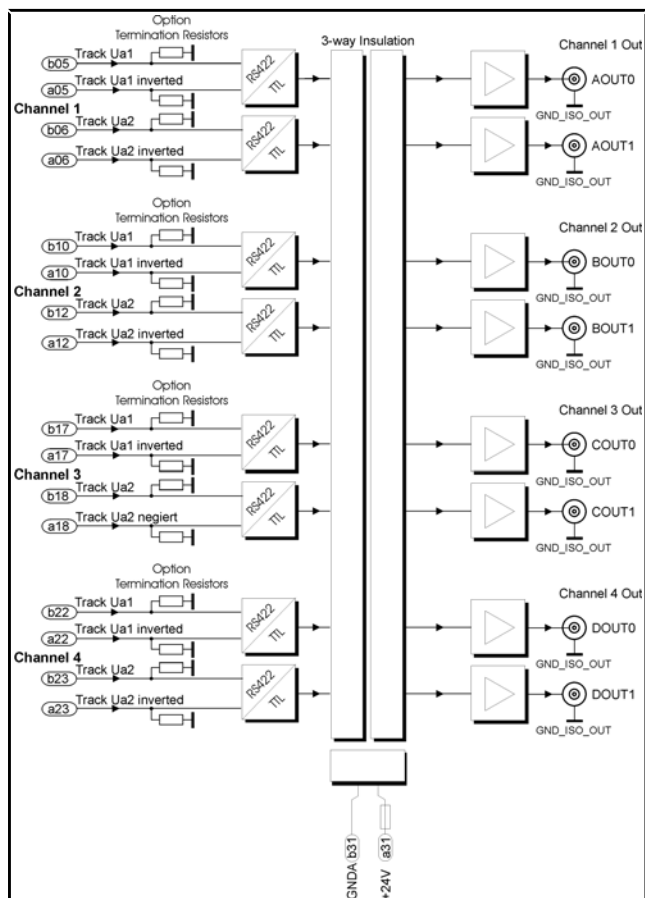
Characteristics

The **Digital Card** offers isolated conversion of RS 422 signals into a TTL signal. Outputs are via BNC sockets on the front panel: Each card has 4 x 2 tracks. Signal inputs are fed through the card frame connector.

Technical Data

Supply voltage	24 V DC $\pm$ 10 %
Power consumption at nominal voltage (without sensor / without load)	100 mA
Electrical isolation (3-way isolation)	2000 V DC (1 s) 600 V _{eff} (permanent)
Channels	4 x 2 tracks
Frequency Characteristics	
Cut-off frequency	1 MHz
Signal delay	< 0.1 μ s
Slope	25 ns
Input – Voltage	
Input range	RS 422
Input resistance	100 k Ω
Input capacitance	22 pF
Over voltage protection	$\pm$ 50 V
Output	
Output range	TTL
Short proof	yes
Residual ripple @ $f_g = 10$ kHz	typical < 1 mV _{eff}
Environmental temperature	0..50 °C

Block Diagram



Dimensions

19" Unit, 3 U, 8 U, depth 160 mm

Ordering Code

ASK-44D

Type (Standard)
Converting RS 422 signals into TTL signals

Example: ASK-44D

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Нижегород (831)429-08-12	Смоленск (4812)29-41-54
Астана +7(7172)727-132	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Сочи (862)225-72-31
Белгород (4722)40-23-64	Кемерово (3842)65-04-62	Новосибирск (383)227-86-73	Ставрополь (8652)20-65-13
Брянск (4832)59-03-52	Киров (8332)68-02-04	Орел (4862)44-53-42	Тверь (4822)63-31-35
Владивосток (423)249-28-31	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Томск (3822)98-41-53
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Тула (4872)74-02-29
Вологда (8172)26-41-59	Курск (4712)77-13-04	Пермь (342)205-81-47	Тюмень (3452)66-21-18
Воронеж (473)204-51-73	Липецк (4742)52-20-81	Ростов-на-Дону (863)308-18-15	Ульяновск (8422)24-23-59
Екатеринбург (343)384-55-89	Магнитогорск (3519)55-03-13	Рязань (4912)46-61-64	Уфа (347)229-48-12
Иваново (4932)77-34-06	Москва (495)268-04-70	Самара (846)206-03-16	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Мурманск (8152)59-64-93	Санкт-Петербург (812)309-46-40	Череповец (8202)49-02-64
Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Саратов (845)249-38-78	Ярославль (4852)69-52-93

сайт: imtron.nt-rt.ru || эл. почта: ins@nt-rt.ru