

## RS-232/422/485 modules for ADDI-DATA communication boards

- Following boards are configured by inserting MX -modules
- APCI-7300-3  
1-port
- APCI-7420-3  
2-port
- APCI-7500-3  
4-port
- APCI-7800-3  
8-port  
serial, for PCI-Bus

### Description:

The modules are attached to the communication board. The serial interfaces can be configured through the modules in the following modes: RS232, RS422, RS485 (with or without optical isolation) and current loop (with optical isolation). The optical isolations allow a protection of up to 1000V for the use in noisy environments where earth loops can occur.



### Order information:

#### MX-232-G

RS-232 modul with optical isolation

#### MX-232

RS-232 modul

#### MX-422-G

RS-422 modul with optical isolation

#### MX-422

RS-422 modul

#### MX-485-G

RS-485 modul with optical isolation

#### MX-485

RS-485 modul

#### MX-TTY

20 mA Current Loop modul

Mode	RS232	RS232	RS422	RS422	RS485	RS485	20mA
Type	MX232G	MX232	MX422G	MX422	MX485G	MX485	MXTTY
Opt. Isolation	1000V		1000V		1000V		1000V
Creep dist.	3,2mm		3,2mm		3,2mm		3,2mm
Shortc.protect.			yes	yes	yes	yes	
ESD-protect.	yes	yes	yes		yes		
Burst-protect.	yes	yes	yes	yes	yes	yes	yes
Duplex	Full	Full	Full/Half	Full/Half	Half	Half	Half
Max.Baud rate	115,2k	115,2k	115,2k	115,2k	115,2k	115,2k	19,2k
control signals	softw.	softw.	RTS/opt.				
transm.control					autom.	autom.	
Consumption	86 mA	10 mA	46 mA	10 mA	58 mA	10 mA	75 mA

**Technical data:**

## RS -232 MODUL:

Optical Isolation: 1000V

Creeping distance: 3,2 mm

ESD-protection, Burst-protection

Duplex: Full

Max. Baud rate: 115.2 kBaud 1mB opt.

Modem control signals: through softw.

Current consumption: 86mA

## RS -422 MODUL:

Optical Isolation: 1000 V

Creeping distance: 3,2 mm

Short-circuit protection

ESD-protection, Burst-protection

Duplex: Full/Half

Max. Baud rate: 115kBaud

1 MBaud opt.

Modem control signal:

automatically

RTS/CTS opt. MX-422-PEP

Current consumption: 46mA

## RS-485 MODUL:

Optical Isolation: 1000 V

Creeping distance: 3,2 mm

Short circuit protection

Burst-protection, ESD-protection

Duplex: Half

Max. Baud rate: 115.2 kBaud,

Modem control signal:

automatically

Autom. transmitter control

Current consumption: 58mA

## TTY:

20mA Current Loop

Optical Isolation: 1000V

Creeping distance: 3,2 mm

Burst-protection

Duplex: Full

Max. Baud rate: 19,2 kBaud

Modem control signals: automatically

Current consumption: 75mA