

JAG PdiCS+ XIO I/O Module



JAG Jakob Ltd Process Technology,

your partner for plant construction and process automation offers the JAG PdiCS+ XIO modules, a very compact solution for the connection of analog and digital inputs and outputs.

The JAG PdiCS+ XIO module was particularly designed to meet the most demanding requirements of the pharmaceutical, chemical, biotech, cosmetics and food industries.

Features and benefits of the JAG PdiCS+ XIO module

- Extremely compact unit, requires minimal space in the switching cabinet
- Digital version with 40 DI and 40 DO
- Analog version with up to 10 AI, 4 AO and a variable number of DI/DO. Analog I/Os can alternatively be used as digital I/Os, which allows using up to 40 DI and 40 DO depending on the number and type of the AI/AO in use
- Can be configured as standalone unit, as a master of up to 24 PdiCS-BUS slaves or as PdiCS-BUS slave
- Ethernet, ARCNET, USB and four serial interfaces
- Version with memory extension available
- No maintenance required due to the use of self-resetting overload and short-circuit protection devices

Mechanical data

Mounting clamps	Suitable for DIN rail TS35 mm
Protection	IP20
Dimensions (w × h × d)	235 × 89 × 71 mm
Operating conditions	0 to +50°C 10 to 90% rel. humidity, non-condensing

Electrical data

Supply voltage	24 VDC ± 15%
CPU	Coldfire MCF5373L (240 MHz)
User program memory	640 kB (w/o memory extension) 13.4 MB (with memory extension)
Real time clock	Yes, buffered by supercapacitor
Interfaces	Ethernet ARCNET (RS 485, 10 MBaud) 4 × serial USB slave
Local I/O (XIO-D)	40 DI and 40 DO
Local I/O (XIO-A)	10 AI with 23 bit resolution plus sign (±20 mA, up to ±26 V, Pt100 -200 to +400 °C) 4 AO with 16 bit resolution (0-20 mA, 0-10 V) 20 to 40 DI and 16 to 40 DO, de- pending on the number and type of AI/AO used.
Total number of I/O	Up to 1000 DI/DO (local I/O plus up to 24 XIO slave modules connected via ARCNET)
Diagnostic display	LCD, 2 × 16 characters, alpha- numeric, LED backlight

Order information

Digital I/O module	JAG PdiCS+ XIO-D M019.003.300.100
Digital I/O module with memory extension	JAG PdiCS+ XIO-DM M019.003.300.150
Analog I/O module	JAG PdiCS+ XIO-A M019.003.300.000
Analog I/O module with memory extension	JAG PdiCS+ XIO-AM M019.003.300.050

Accessories

ARCNET Patch Module (active)	JAG PdiCS+ APM-A M013.010.221.100
ARCNET Patch Module (passive)	JAG PdiCS+ APM-P M013.010.221.000
Serial Patch Module (1× RS 232, 1× RS 422)	JAG PdiCS+ SPM-P M013.010.222.000
Serial Patch Module (2× RS 232)	JAG PdiCS+ SPM-232 M013.010.222.100
Serial Patch Module (2× RS 422)	JAG PdiCS+ SPM-422 M013.010.222.200

Non-volatile, magnetoresistive RAM (MRAM) ensure optimal protection against corruption and loss of data (20 years data retention without supply)

