

# Communication interface module, CIM (2100421)

## XSeries products



The 2100421 TFIO module is a software configurable serial interface capable of communicating with RS-232, RS-422 or two-wire RS-485 devices at baud rates from 300-38,400 bps.

**Measurement made easy**

### Overview

The 2100421 TFIO module is a software configurable serial interface capable of communicating with RS-232, RS-422 or two-wire RS-485 devices at baud rates from 300-38,400 bps. This module does not support legacy (3 wire) UCI direction control.

## Specifications

### Point specifications

VBATT: TFIO Bus ioVBB @ 2A Max  
SW. VBATT: TFIO Bus ioVBB @ 2A Max

### Transient specifications

VBATT: 1500W @ 15V  
SW. VBATT: 1500W @ 15V  
Communication signals: 400W @ ±12V,  
IEC 1000-4-2,  
IEC 1000-4-4 10/1000usec  
(non-repetitive)

### TFIO communications interface module, RS-232 mode pin designations

	J1	J2	J3	J4
1	CTS (input)	RTS (output)	N/A	N.C.
2	RXD (input)	TXD (output)	N/A	N.C.
3	GND	GND	N.C.	N.C.
4	VBATT	SW.VBATT	N.C.	N.C.

### Communications interface module, RS-422 / RS-485 mode pin designations

	J1	J2	J3	J4
1	RCV+	XMT+	TRM+	N.C.
2	RCV-	XMT-	TRM-	N.C.
3	GND	GND	N.C.	N.C.
4	VBATT	SW.VBATT	N.C.	N.C.

Note: RCV+, XMT+ and RCV-, XMT- respectively must be connected together to form BUS+ and BUS- signals for two wire RS-485 mode operation.

Note: can only be use with XFC and XRCs