

13 EXPANSION MODULES

DUAL COMMS + I/O

PLUG-IN ADD-ON

EM13X & PM130/135 COMPATIBLE

[View SATEC's Expansion Modules on satec-global.com.au](https://www.satec-global.com.au)

eXpertModules™

Expansion Modules for SATEC EM132/133 and PM130/135 Series Meters

SATEC EM132/133 and PM130/135 series meters have RS-485 communications built in as standard. The eXpertModules™ range lets a single meter add a second, dual-simultaneous communication port and/or expanded digital and analogue I/O capability with one plug-in add-on module – a maximum of one module per instrument.

The current range spans five communication modules (serial, Ethernet and Profibus interfaces) and eight input/output modules (from 4 to 12 digital inputs, relay and analogue outputs). PM130/PM135 has a battery-backed option for Time of Use applications.

This provides flexibility for various applications.



Main Features

Highlights

- Adds a second, dual-simultaneous communication port alongside the meter's built-in RS-485
- Expands digital and analogue I/O without changing the base meter model
- Maximum one module per instrument; ordered separately from the meter
- Serial, Ethernet and Profibus DP communication interfaces available
- Digital input counts from 4 to 12, with relay, SSR and analogue output options

Applications

- Dual-protocol SCADA and metering system integration
- Retrofit sites needing Ethernet or Profibus alongside existing RS-485
- Expanded digital I/O for load shedding, alarms and status monitoring
- Time of Use (TOU) control with battery-backed digital inputs

Communication Modules

SATEC EM132/133 and PM130/135 meters can incorporate dual communications and/or expanded I/O capabilities with one add-on expansion module.

PHOTO	DESCRIPTION	METER MODEL	DIMENSIONS (H×W×D)	ORDER CODE
	RS232/422/485	EM132/133 EM133-XM PM130/135	72x46x34mm	RS232
	RS232/422/485 – DIN	EM132/133 EM133-XM	90x30x75mm	RS232-DIN
	Ethernet	EM132/133 EM133-XM PM130/135	72x46x34mm	ETH
	Ethernet-DIN	EM132/133 EM133-XM	90x30x75mm	ETHD
	Profibus	EM132/133 EM133-XM PM130/135	72x46x34mm	PRO

Input/Output Modules

SATEC EM132/133 and PM130/135 meters can incorporate dual communications and/or expanded I/O capabilities with one add-on expansion module.

PHOTO	DESCRIPTION	METER MODEL	DIMENSIONS (H×W×D)	ORDER CODE
	4 Digital Inputs & 2 Relay Outputs	EM132/133 EM133-XM PM130/135	72x46x34mm	DIOR
	4 Digital Inputs & 2 Digital Outputs	EM132/133 EM133-XM PM130/135	72x46x34mm	DIOS
	4 Digital Inputs with Battery BackUp for TOU	PM130/135	72x46x34mm	TOD
	8 Digital Input	EM132/133 EM133-XM PM130/135	72x46x34mm	8DI
	12 Digital Inputs & 4 Relay Outputs	EM132/133 EM133-XM PM130/135	95x77x45mm	12DIOR-xxx xxx = Dry or Wetted Contact Options
	12 Digital Inputs & 4 Relay Outputs with RS485 Comms	EM132/133 EM133-XM PM130/135	95x77x45mm	12DIOR-xxx-485 xxx = Dry or Wetted Contact Options
	12 Digital Inputs & 4 Relay Outputs with Ethernet Comms	EM132/133 EM133-XM PM130/135	95x77x45mm	12DIOR-xxx-ETH xxx = Dry or Wetted Contact Options
	4 Analogue Outputs	EM132/133 EM133-XM PM130/135	72x46x34mm	AOx x = Analogue Output Options

Ordering Information

How To Order

Each eXpertModules™ expansion module is ordered directly by its order code, as listed in the Communication Modules and Input/Output Modules tables – there is no order-code builder to assemble. Quote the meter model together with the module's order code when ordering or requesting a quotation (for example, "EM132, ETH"). A maximum of one expansion module can be fitted per instrument.

Place An Order



To place an order or request a quotation for any eXpertModules™ expansion module, contact the SATEC Australia sales team, or scan the QR code.

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EMAIL sales@satec-global.com.au

ONLINE satec-global.com.au/contact

Document Revision History

VERSION	DATE
TBV1.0	21 September 2026