

# I/O and Communications Selection Guide



XL6

XLe

XLt



Fixed I/O - factory fitted inside XL units

## XL Series I/O (built in) XLe, XLt and XL6 models

	DC In	DC Out Pos	Relay Out	HSC In	PWM Out	mAV In	mAV RTD/TC	mAV Out
Model 2	12		6	4		4		
Model 3	12	12		4	2	2		
Model 4	24	16		4	2	2		
Model 5	12	12		4	2		2	2

Factory fitted to XL Series (currently XLe, XLt, XL6, XL6e)

Plug in communications options

## XL series communications - field installable

	Description
XEC	Ethernet Communications option card
XMC	57.6k Telephone Modem option card
GSM04	Quad-Band GSM / GPRS Modem
GPS183	GPS Satellite Receiver
PBS	Profibus Slave Module

SmartStix™ remote I/O - adds I/O to any unit using CsCAN

## SmartStix digital & analogue I/O

	DC In	DC Out Pos	DC Out Neg	Relay Out	mAV In	mAV Out
DIM610	16					
DIM710	32					
DQM606		16				
DQM706		32				
DQM602				16		
DIQ816	16	16				
DAC207						8
ADC970					12	
MIX577					4	2
MIX977					8	4

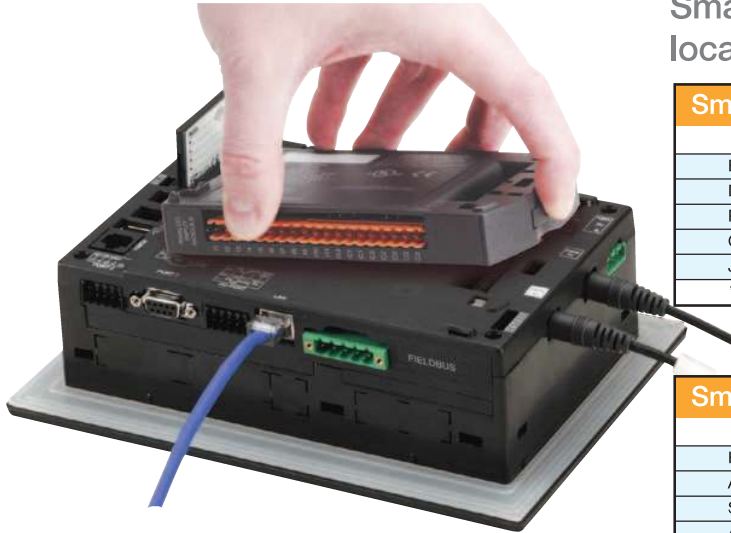
SmartMod™ add remote I/O to any unit using Modbus

## SmartMod digital & analogue I/O

	DC In	Relay Out	mA In Neg	V In	mAV Out	T/C	RTD
DIM610	12						
DIQ512	4	4					
ADC120/220			4/8				
ADC107/207				4/8			
DAC007					2		
DAC107/207					4/8		
THM100/200						4/8	
RTD100							4

For a complete list of products and order part numbers please see website [www.horner-apg.com](http://www.horner-apg.com)

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SmartStack™ modular plug in I/O adds local I/O to NX, QX and RCS units.

## SmartStack™ communications

	Description
ETN300	Ethernet Communications Module
DNM650	Enhanced DeviceNet Master Module*
PBM650	PROFIBUS Master Module*
COM650	CANopen Master Module*
JCM205	SAE J1939 CAN-based Communications Module*

\*Requires RCS116/250 or OCS110/210/250, NX, or Colour-Touch OCS

## SmartStack™ speciality modules

	Description
HSC601	1MHz Hi-speed Counter + PWM & I/O Pos*
ACM530	CsCAN AC PWR Monitor (3 CTs, 3 PTs) True RMS
STP100	Single-axis Stepper Indexer Module, 245KHz
ASC100	ASCII BASIC Module, 3 serial ports

\*8DC In 8 DC Out total



Plugs into controller or expansion base

## SmartStack™ analogue I/O

	Volt In	mA In	Volt Out	mA Out	Tcpl/mV	RTD In
ADC020		2				
ADC120		4				
ADC010	2					
ADC110	4					
ADC920	12*					
ADC140		4**				
DAC001			2			
DAC101			4			
DAC002				2 Neg		
DAC102				4 Neg		
DAC106				4 Pos		
DAC202				8 ch 10V/20mA		
THM000					2	
THM100					4	
THM200					8	
RTD000						2
RTD100						4
MIX111	2		2			
MIX122		2		2 Neg		
MIX126		2		2 Pos		
MIX211	4 iso		2 iso			

\*5V/20mA/thermister \*\*16 Bit

SmartStack™ digital I/O						
	DC In	DC Out Pos	DC Out Neg	AC In	AC Out	Relay Out
DIM210	8					
DIM310	16					
DIM410	32					
DQM306		16				
DQM406		32				
DQM202						8
DQM902						20
DIQ612	8					6
DIQ616	8	8				
DIQ622				8		6
DIQ624				8	8	
DIQ627				8	8*	
DIQ712	14					10
DIQ716	16	12				
DIQ722				14		10
DIQ935	32		40**			
DIQ937	32		40**			

\*3A Prior to derating \*\*50mA no ESCP

## SmartStack™ mixed digital/analogue I/O

	DC In	DC Out Pos	Rly Out	mA In	Volt In	mA Out	Volt Out
MIX901	8	8			4		2
MIX902	8	8		4		2 Neg	
MIX905	8		6		4*		2**
MIX906	8	8		4		2 Pos	
MIX912	8	8		4 iso		2 iso	
MIX963							(4)Tcpl/RTD, (2)20mA out, 2 rly, 2 SS out

\*5V/20mA/Thermister \*\*10V/20mA

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