

# X-Series

## Communications

The XE and XS controls offer the widest and most complete offering of communications options, to match the data and needs of the user. Follow these simple steps to help guide you through the process of determining which communications options are required.

**Step 1: Target Hardware** — Identify what will be the next device that the checkweigher control will communicate with.

- PC
- PC Style Office Information Network
- PLC
- SCADA Network

**Step 2: Information/Data Content** — Determine information needs.

- Weight Data
- Statistics
- Product Management
- Product Change
- Line Integration

**Step 3: Product** — Select the XE/XS Communications Product that best matches the hardware & customer information/data needs.

- Weight Data
- GARECO
- Fieldbus Interface Module (FIM)
- OPC Server

**Step 4: Medium and Interface** — Verify the communication medium that will be used, and describe the physical interface that will be provided on the XE/XS Control.

- Serial – Standard DB9 Connector
- Ethernet – TCP/IP 10/100 Base T-Standard RJ45 Connector
- Fieldbus – Standard RJ45 or Proprietary Hardware as Required.

**NOTE:** There is a wide variety of serial communication, Ethernet, and proprietary formats available. XE/XS physical interfaces are identified for each product, and shown on page 2 of 2.



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## XE/XS Control Communications

Customer Target Hardware	Capabilities						X-series Product	Medium	Physical Interface
	Weight Data	Statistics	Product Management	Product Change	Line Integration	Pack ML			
PC or PC Network	<input checked="" type="checkbox"/>						Weight Data Interface	RS232 RS422	DB9
							GARECO	TCP/IP	RJ45
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				RS232 RS422	DB9
								TCP/IP	RJ45
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	ProdX	TCP/IP	RJ45
PLC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fieldbus Interface Module	DeviceNet	5 Position term. strip
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		ControlNet	BNC Connector
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		EtherNet IP	RJ45
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		ProfibusDP	DB9
SCADA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	OPC Server	OPC DA 2.05A	RJ45

**Weight Data:** Each weight as seen by the checkweigher.

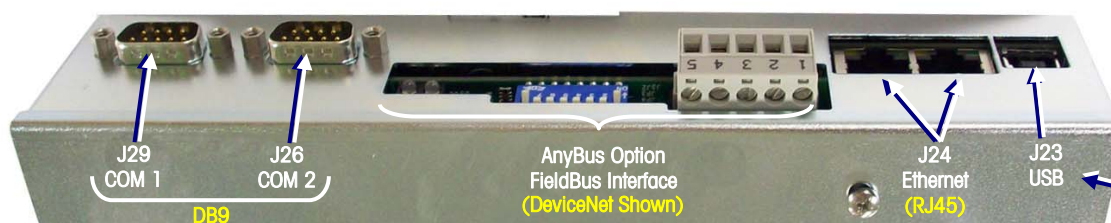
**Statistics:** Zone counts, hourly, batch, interval, average & standard deviation, totals & final evaluation.

**Product Management:** Ability to create, delete, modify, and maintain package setup.

**Product Change:** Ability to change checkweigher product from a remote PC or PLC device.

**Line Integration:** Status of checkweigher ready, checkweigher running, emergency stop, emergency run, remote start/stop.

## XRTC Illustrating Standard Serial, Fieldbus, Ethernet, And USB Communication Interfaces.



External USB bulkhead connection for:

- PrintStick Option
- Database Backup
- External Keyboard



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