

Solidot: Your Fieldbus Technology Partner

Company Overview | Updated September 2025

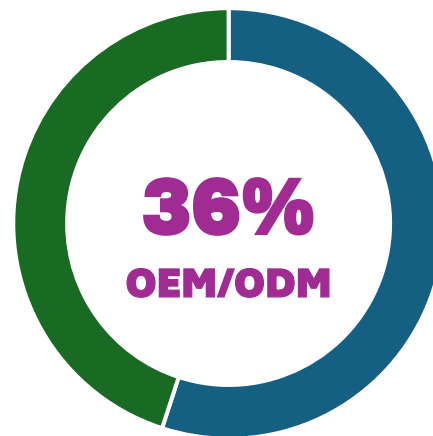
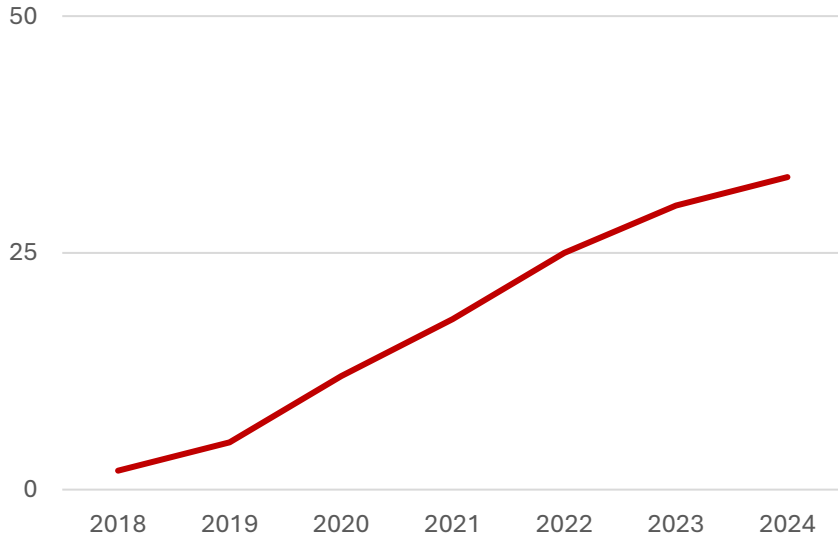
At-A-Glance

COMPANY PROFILE

Solidot is the leading company in Fieldbus technology. We help customers in critical industries, like energy, chemical, power and renewables, life sciences and factory automation operate more sustainably while improving productivity and reliability.

MARKET PRESENCE

million US Dollars



■ SOLIDOT BRAND ■ OEM/ODM SERVICE

\$ 33 MILLION

GLOBAL NET SALES FY 2024

FOUNDED

2018



HEADQUARTERS
NANJING, CHINA



240 EMPLOYEES



102 ENGINEERS



5,000 m² Manufacturing Center

Global Partners 2024



20

COUNTRIES

30+

DISTRIBUTORS

50+

SYSTEM INTEGRATORS



Solidot Provides a Wide Range of I/O Solutions



IP20 Distributed I/O

Our XB6S (IP20) distributed I/O modules provide high-performance control in a compact design. They are great for applications with high-processing requirements.



IP67 Distributed I/O

The IP67 I/O modules have industrial housings in compact, fully encapsulated design allow the use in harsh environments. For direct use on the machine, the modules offer very high shock and vibration resistance.



IO-Link Master and HUB

IO-Link has many advantages, such as, easy installation, high machine availability, need-oriented maintenance, efficient operation and a high-performance.



Valve Terminal

Our valve terminals help you keep installation expenses low and costs manageable. And the modular design allows for flexible system expansion by adding or removing individual valve modules as needed.

Strong R&D Capabilities

13.62%



R&D Intensity

68



**Numbers of
Invention patents**

36



**Number of Software
Copyrights**

Commitment to Quality

- A constantly optimized production process, consisting of automated and manual assembly, allows for high production capacity while remaining flexible for small batches and customized versions.
- Production documentation ensures that products and processes can be reproduced at any time. They can be accessed online and are always up to date.
- Position monitoring during SMD placement based on advanced vision technology ensures consistently high product quality.



KEY ABILITIES

99.6%

AMT AOI First Pass Yield

2,000,000

Annual Production Capacity

5,000,000

Designed Annual Production Capacity

99.7%

Yield Rate

The XB6S Remote I/O System

Expand your I/O system potential with the XB6S



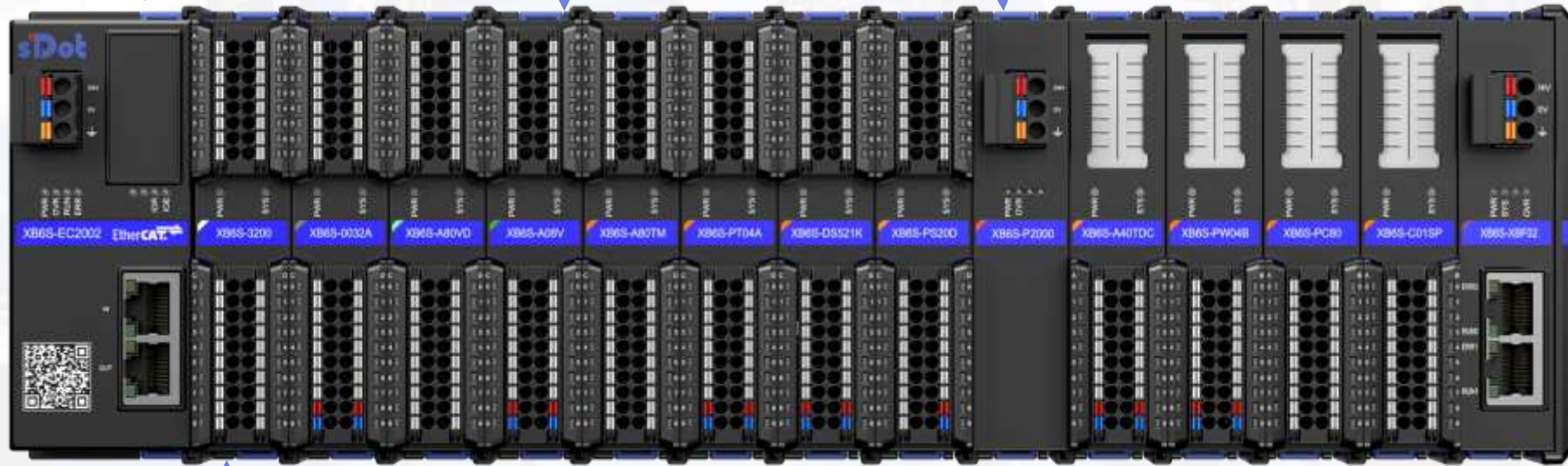
Multiple fieldbus protocol options with XB6S coupler



Flexibility to mix Standard and specialty I/O modules in one system



Expansion power needed only after 10 I/O modules



Easy wiring with spring push-in and removable terminal blocks



Easy access to XBF network with XBF Gateway

The Advantages of Using the XB6S Remote I/O System

The XB6S I/O system provides smart manufacturing capabilities that can improve productivity, save engineering time, and lower the cost up to **40%**.

Maximum Design Freedom

Up to 32 modules in any mix

Expansion power unit needed only after 10 I/O modules

Reduced engineering time with Automatic Device Diagnostics

Optimized Operations

Wide operating temperatures at -20...+60°C

Conformity to stringent EMC standards for more system reliability



Simplified Maintenance

Easy module replacement with Removable Terminal Blocks

XB6S DIGITAL AND ANALOG I/O MODULE

Catalog number	Description
XB6S-3200	32-point digital input module
XB6S-1600	16-point digital input module
XB6S-0800	8-point digital input module
XB6S-0032A	32-point digital output module, NPN
XB6S-0032B	32-point digital output module, PNP
XB6S-0016A	16-point digital output module, NPN
XB6S-0016B	16-point digital output module, PNP



XB6S DIGITAL AND ANALOG I/O MODULE

Catalog number	Description
XB6S-0008A	8-point digital output module, NPN
XB6S-0008B	8-point digital output module, PNP
XB6S-1616A	16-point digital input and 16-point output module, NPN
XB6S-1616B	16-point digital input and 16-point output module, PNP
XB6S-A80I	8-point analog input single-ended current module
XB6S-A80V	8-point analog input single-ended voltage module
XB6S-A80	8-point analog input single-ended current/voltage module



XB6S DIGITAL AND ANALOG I/O MODULE

Catalog number	Description
XB6S-A40	4-point analog input single-ended current/voltage module
XB6S-A08I	8-point analog output current module
XB6S-A08V	8-point analog output voltage module
XB6S-A04I	4-point analog output current module
XB6S-A04V	4-point analog output voltage module
XB6S-A40ID	4-point analog input differential current module
XB6S-A40VD	4-point analog input differential voltage module



XB6S DIGITAL AND ANALOG I/O MODULE

Catalog number	Description
XB6S-A80ID	8-point analog input differential current module
XB6S-A80VD	8-point analog input differential voltage module
XB6S-A40TDC	4-point analog input TDC temperature control module
XB6S-A80TM	8-point analog input RTD/TC temperature acquisition module
XB6S-A40TM	4-point analog input RTD/TC temperature acquisition module
XB6S-0012J	12-point output relay module
XB6S-0012J/6	12-point output relay module, 2A



XB6S MOTION CONTROL I/O MODULE

Catalog number	Description
XB6S-PT04A	4-point pulse train output (PTO) module
XB6S-PL20D	2-point differential incremental encoder module
XB6S-PL20	2-point single-ended incremental encoder module
XB6S-C01SP	1-point serial RS-232/422/485 module
XB6S-PC80	8-point pulse counting module
XB6S-PS20D	2-point counter/SSI module









XB6S COUPLERS AND EXPANSION POWER

Catalog number	Description
XB6S-EC2002	EtherCAT coupler; supports up to 32 XB6S modules
XB6S-PN2002	PROFINET coupler; supports up to 32 XB6S modules
XB6S-EI2002	EtherNet/IP coupler; support up to 32 XB6S modules
XB6S-CL2002	CC-Link coupler; supports up to 32 XB6S modules
XB6S-MT2002	Modbus-TCP coupler; supports up to 32 XB6S modules
XB6S-CB2002	CC-Link IE Field Basic coupler; supports up to 32 XB6S modules
XB6S-P2000	Power expansion module



XB6S SPECIFICATIONS

Attributes	Coupler	I/O module + removable terminal blocks
Dimensions (HxWxD), approx.	106.4 x 43 x 61 mm (4.19 x 1.69 x 2.40 in.)	106.4 x 25.7 x 72.3 mm (4.19 x 1.01 x 2.85 in.)
Operating temperature	-20...+60°C (-68°F...+140°F)	
Certification	     	

The Integrated I/O System

The Integrated I/O Product Range



XX4 Distributed I/O

- Compact design with a 25 mm width
- High-speed ARM and ASIC
- Dual RJ45 Ports with cascade ability



XX3 Distributed I/O

- Compact design with a 32 mm height
- Simple and easy to install



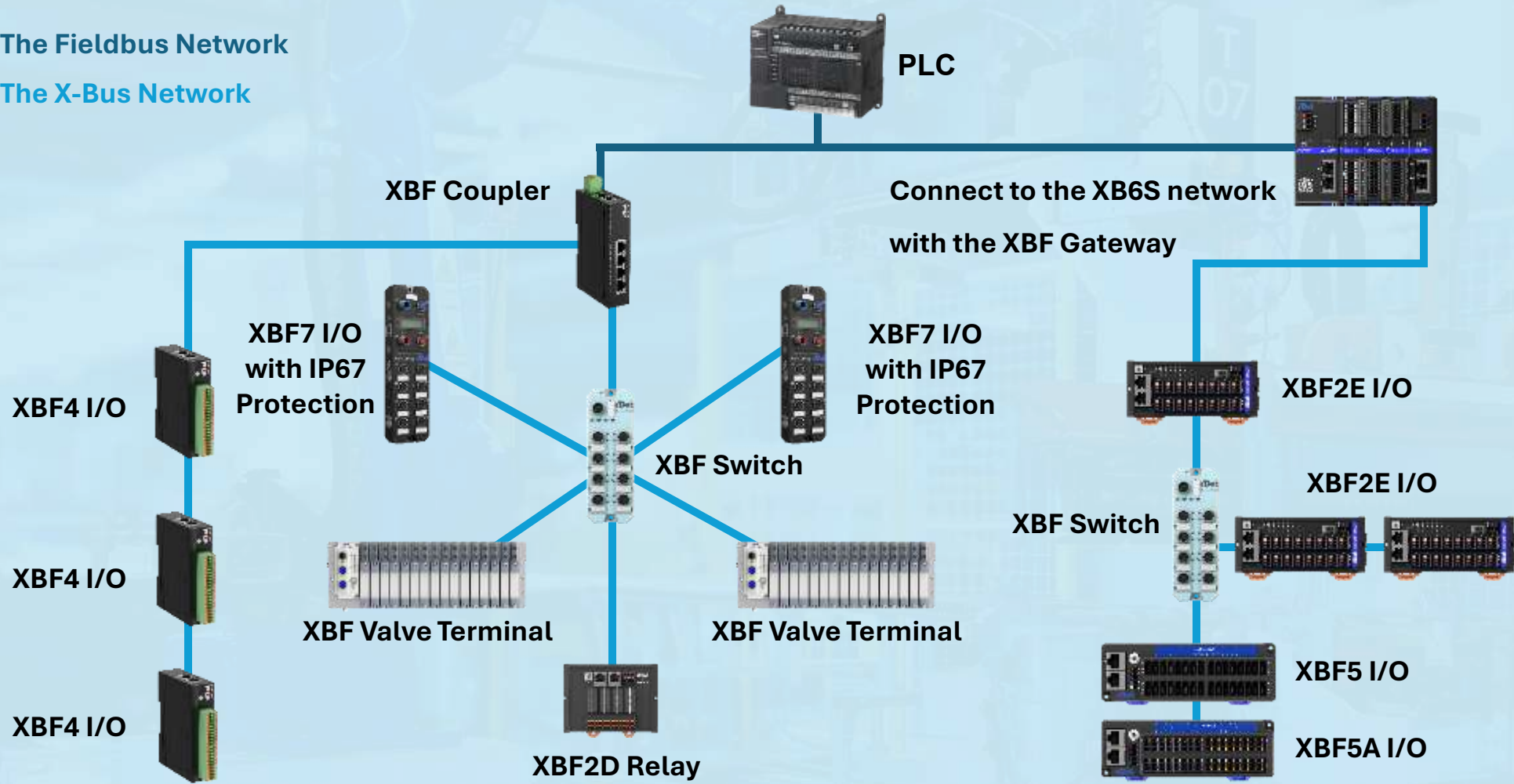
XX7 Distributed I/O

- IP67 protection
- Save time for wiring
- Reserved interface for firmware upgrade

The XBF Distributed I/O System

The XBF Distributed I/O System

- The Fieldbus Network
- The X-Bus Network



What can we provide



Your Fieldbus Technology Partner





solidotech.com

your fieldbus partner

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