



# AXS Port™

Modbus/TCP Interface

- **Monitor, Command and Remotely-Control Selected OutBack System Components Without a Dedicated System Display\***
- **SunSpec-Compliant Device for Interoperability and Plug-and-Play Operation**
- **Manages Over Two Years of Data Logging**
- **Firmware Upgradable Over an Ethernet Network**
- **Accessories Include MicroSD Memory Card and DIN-Rail Mounting Clip**

\* Updated firmware has been released to include control and monitoring functionality for all inverters and FN-DC (new functionality should be highlighted).



Targeting industrial and commercial customers, the SunSpec-compliant AXS Port Modbus/TCP Interface provides advanced connectivity with OutBack FLEXmax™ charge controllers as well as other OutBack devices, enabling remote system status monitoring, command and control. With the AXS Port interface, users can securely access an OutBack power system anywhere in the world via an Ethernet connection using Modbus Transmission Control Protocol (TCP), and communicate directly to a single device, or to multiple devices using OutBack's HUB4 or HUB10 communications management components.

The AXS Port interface makes it possible to create custom user interfaces for systems using the advanced API program development kit (downloadable at [www.outbackpower.com](http://www.outbackpower.com)). System data logs can be downloaded with an AXS Port interface using Modbus-read or FTP transfer. System operators can adjust system settings or change operating modes, as well as apply future firmware updates to both the AXS Port interface and other OutBack

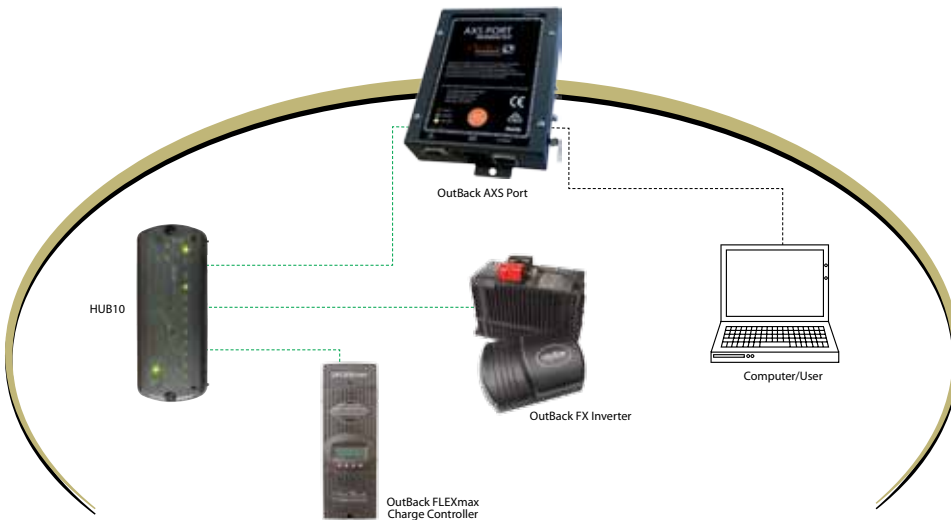
firmware-upgradable components, either locally or over the Ethernet.

All user-configurable values are backed up with non-volatile memory, ensuring stable performance and system recovery. An optional remote temperature-sensing function provides a simple, low-cost tool for capturing and reporting ambient temperature or other critical thermal information records.

The AXS Port is a SunSpec compliant device, which means it speaks the renewable energy industry's common language used to drive data and interoperability standards for plug-and-play operation between components and management systems. SunSpec client software is required for operation. For more information visit [www.sunspec.org](http://www.sunspec.org).

## AXS Port Information Sheet

<b>Power</b>	Supplied by Outback device	
<b>Status Indicators</b>	Seven LED indicators	
<b>Clock</b>	On-board real-time clock with battery backup	
<b>Internet Standards</b>	TCP/IP, DNS, SMTP, FTP, DHCP, NTP	
<b>Ports</b>	<b>HUB/Device</b>	RJ-45
	<b>Communications</b>	RJ-45
	<b>Temperature Sensor</b>	RJ-11
<b>Communication Protocol</b>	Modbus TCP to the SunSpec standard	
<b>OutBack Device Interface</b>	OutBack proprietary	
<b>PC Interface</b>	10/100 Ethernet	
<b>Mounting</b>	DIN clip (provided) or surface mounting	
<b>Environmental Rating</b>	Indoor Type 1 (IP 30) Non-condensing	
<b>Temperature Ranges</b>	<b>AXS Port</b>	-40 to 75°C
	<b>SD Card</b>	-25 to 75°C
<b>Weight</b>	<b>Unit</b>	0.5 lbs (0.23 kg)
	<b>Shipping</b>	2.1 lbs (0.95 kg)
<b>Dimensions H x W x D</b>	<b>Unit</b>	1.29 x 3.5 x 4.99" (3.3 x 8.9 x 12.7 cm)
	<b>Shipping</b>	3.25 x 9.0 x 13.5" (19 x 22.9 x 34.3 cm)
<b>SD Card Size</b>	<b>MicroSD Type 2</b>	2 GB capacity
<b>Options</b>	OutBack RTS	
<b>Certifications</b>	FCC Part 15 subpart B, CE, RoHS, SunSpec	



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