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Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS / GREENSPRING

Abaco Systems / SBS / Greenspring IP-PWI 3-Channel Pulse Width Input IndustryPack Module

The IP-PWI is a 3-channel Pulse Width Input IndustryPack module from Abaco Systems (formerly SBS / Greenspring).

**MODEL****Abaco Systems /
SBS / Greenspring
IP-PWI****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****IP-PWI****LISTING**<https://aumictechlabs.com/products/ip-pwi-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems IP-PWI is a 3-channel Pulse Width Input IndustryPack module engineered for precise measurement of input pulse widths from MTS Corporation Temposonics® transducers. Multiple IP-PWI modules can be configured to simultaneously acquire data from all transducers in a system. Technical Specifications Channels & Measurement 3 Pulse Width Input channels Dedicated 18-bit pulse width counter per channel Minimum pulse width measurement resolution: 8.333 nanoseconds Clock Architecture On-board, software-programmable high-frequency clock synthesizer Maximum FAST clock frequency: 120 MHz Alternative FAST clock frequencies: 100 MHz, 68 MHz, 47 MHz, 34 MHz Nominal 15 MHz synthesizer input crystal (field-replaceable for alternate FAST frequencies) Software-programmable SLOW clock divider with nominal 100 nanosecond period Fastest SLOW clock period: 8.333 nanoseconds Master Trigger Generator Software-programmable trigger sources: bit, external I/O input, or internal 16-bit binary timer

Trigger clock frequency range: 153 Hz to 5 MHz Master trigger output available at I/O connector for distribution across multi-module systems Signal Integrity All inputs and outputs operate at differential RS-422 electrical levels Special metastability precautions implemented to eliminate timing anomalies at high clock rates

Key Features Single-high IndustryPack form factor High-resolution timing measurement with nanosecond-scale precision Flexible trigger generation supporting multiple source types Multi-module synchronization capability via shared master trigger output Field-configurable clock frequency selection

Typical Applications Temposonics® displacement transducer systems requiring high-speed pulse width acquisition and real-time trigger synchronization across multiple measurement channels.

Compatibility & Integration Designed specifically for interface with MTS Corporation Temposonics® transducers. Supports multi-module configurations with synchronized master trigger distribution.

IPPWI Characteristics / Specifications

PARAMETER	VALUE
Model	IP-PWI
Instrument Type	IndustryPack pulse-width input module
Manufacturer Line	Abaco / SBS / Greenspring
Channel Count	3
Measurement Role	Pulse width input timing
Chassis Form	IndustryPack mezzanine
Host Carriers Class	PCI/VME/cPCI IndustryPack carriers
Brand Lineage	Greenspring / SBS / Abaco
Primary Use	Pulse-width / timing capture
Bus Interface	IndustryPack logic interface
Operating Temperature Spec Class	Follow IP-PWI sheet
Power	Derived from IP carrier +5 V / +/-12 V rails class
Documentation Scope	OEM Greenspring IP-PWI documentation
Resolution Class	Per timer resolution table
Input Levels Class	Per input threshold table
Maximum Frequency Class	Per pulse input rate table
Isolation Class	Per module isolation rating if equipped
Installed Options	Verify stuffed channel options
Warmup Spec Class	Not typically required beyond carrier ready
Safety Class	Observe input voltage maximums
Mechanical	Single-wide IndustryPack class
Compatibility	IndustryPack specification carriers
Related Modules	IP-MP-Serial and other Greenspring IP I/O
Operating temperature	Spec Class: Follow IP-PWI sheet

IPPWI Specifications

PARAMETER	VALUE
Applications	Pulse-width measurement, timing capture in IP-based systems, and modular industrial I/O on PCI/VME/cPCI IP carriers.
Works on SBS IP carriers	Embedded timing measurement
Notes	From Greenspring/SBS IP-PWI documentation. Exact timing resolution and input thresholds are on the IP-PWI data sheet.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Spec Class: Follow IP-PWI sheet
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Related Modules	IP-MP-Serial and other Greenspring IP I/O Notes From Greenspring/SBS IP-PWI documentation. Exact timing resolution and input thresholds are on the IP-PWI data sheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
From Greenspring/SBS IP-PWI documentation. Exact timing resolution and input thresholds are on the IP-PWI data sheet.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.