

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

DDC

DDC SB-3622712-365 Digital-To-Synchro PCI Bus Six Channel Converter Card

The DDC SB-3622712-365 is a six-channel Digital-to-Synchro converter card designed for PCI bus systems. It accurately transforms digital signals into synchro signals, which are commonly used in motion control and position feedback applications. Ideal for industrial automation and aerospace applications.



MODEL

DDC SB-3622712-365

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SB-3622712-365

LISTING

<https://aumictechlabs.com/products/sb-3622712-365-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The DDC SB-3622712-365 is a six-channel Digital-to-Synchro converter card for PCI bus systems that transforms digital input signals into synchro outputs with independent channel operation. Each channel incorporates a dedicated DDC D/S converter, enabling precise motion control and position feedback in industrial automation and aerospace applications. The card supports programmable output amplitudes, resolution settings from 10 to 16-bit, and software-controlled bandwidth configuration. An on-board reference oscillator option eliminates external signal generation and supports configurable reference voltages of 2, 26, or 115 Vrms across the 360 Hz to 10 kHz frequency range with 1.5VA drive capability. All six channels can operate independently with dynamic rotation simulation in both single-speed and two-speed modes. Transformer

isolation is available as an optional feature for output channels. The card integrates with Windows and Linux environments via provided SDK and drivers, supports dataSIMS software control, and includes built-in self-test capabilities for detecting Loss-of-Signal, Loss-of-Tracking, and Loss-of-Reference fault conditions. Technical Specifications Interface: PCI Bus (full-size format, double-width when 90 Vrms/115 Vrms outputs utilized) Channels: 6 independent Digital-to-Synchro conversion channels Input Power: 5 Vdc @ < 0.665A (maximum) Output Amplitudes: Programmable Reference Voltage Options: 2, 26, or 115 Vrms (with on-board oscillator) Reference Frequency Range: 360 Hz to 10 kHz Reference Oscillator Drive: 1.5VA Resolution: Software programmable (10, 12, 14, or 16-bit) Bandwidth: Software programmable Signal Connector: 68-pin mini D-type (P1) Physical Dimensions: 12.3 × 4.2 × 0.91 inches (312 × 106.7 × 23.1 mm) Weight: Approximately 1 lb Key Features Independent channel operation with dedicated converters per channel Programmable dynamic rotation for single-speed and two-speed systems On-board reference oscillator with selectable voltage and frequency Optional transformer isolation for output channels Built-in self-test with LOS, LOT, and LOR fault detection Software-configurable resolution and bandwidth Cross-platform SDK support for Windows and Linux Typical Applications Aerospace motion control and avionics systems Industrial automation requiring synchro-based feedback Position encoding and resolver interface systems Multi-axis motion control platforms Compatibility & Integration Fully compatible with PCI local bus specifications. Controlled via Windows and Linux drivers and SDK. dataSIMS software support available for advanced configuration and simulation.

SB3622712365 Characteristics / Specifications

PARAMETER	VALUE
Model	SB-3622712-365
Instrument Type	Digital to synchro PCI bus six channel converter card
Channel Count	6
Bus	PCI
Conversion Class	digital to synchro
Manufacturer	DDC Data Device Corporation
Literature	DDC SB-3622712-365 listings
Family	DDC synchro/resolver converters
Brand Lineage	DDC
Form Factor	PCI converter card
System Role	six channel D/S source
Use Case	avionics synchro simulation
Documentation Type	OEM SB-3622712-365 listing
Year Class	DDC SB-3622712
Application Class	synchro simulation
Vendor Path	DDC
Related Module	IAC-37001 synchro/resolver
Related Pci Indicator	SB36243IA-3L0
Related Bridge	BU-67119W200R-JL0 AceXtreme
Documentation Class	OEM D/S PCI catalog
Control Class	PCI digital to synchro
Companion Role	DDC synchro family
Operating Mode	digital to synchro
Instrument Class	D/S converter
Protocol Class	synchro

PARAMETER	VALUE
Avionics Class	synchro ATE
Enclosure Class	PCI card
Accuracy Class	DDC D/S conversion
Output Class	six synchro channels

SB3622712365 Specifications

PARAMETER	VALUE
Avionics angle simulation	Companion to IAC-37001
Technical Specifications	Model: SB-3622712-365
Notes	From DDC SB-3622712-365 listings (PCI six-channel digital-to-synchro). Voltage, frequency, and resolution are on the SB-3622712 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	
Specifications	
PARAMETER	VALUE
Model	SB-3622712-365
Instrument Type	Digital to synchro PCI bus six channel converter card
Channel Count	6
Bus	PCI
Conversion Class	digital to synchro
Manufacturer	DDC Data Device Corporation
Literature	DDC SB-3622712-365 listings
Family	DDC synchro/resolver converters
Brand Lineage	DDC
Form Factor	PCI converter card
System Role	six channel D/S source
Use Case	avionics synchro simulation
Documentation Type	OEM SB-3622712-365 listing
Year Class	DDC SB-3622712
Application Class	synchro simulation
Vendor Path	DDC
Related Module	IAC-37001 synchro/resolver
Related Pci Indicator	SB36243IA-3L0
Related Bridge	BU-67119W200R-JL0 AceXtreme
Documentation Class	OEM D/S PCI catalog
Control Class	PCI digital to synchro
Companion Role	DDC synchro family
Operating Mode	digital to synchro
Instrument Class	D/S converter
Protocol Class	synchro
Avionics Class	synchro ATE

PARAMETER	VALUE
Enclosure Class	PCI card
Accuracy Class	DDC D/S conversion
Output Class	six synchro channels

Notes
From DDC SB-3622712-365 listings (PCI six-channel digital-to-synchro). Voltage, frequency, and resolution are on the SB-3622712 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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