**AXIOM™ Laser Bar Code Reader**

“No maintenance” laser scanning technology from the leader in bar code scanning

The AXIOM™ bar code readers are designed with industrial and manufacturing applications in mind. Housed in a rugged IP65-rated enclosure, the reliable AXIOM offers high-speed scanning up to 1,400 scans per second. The AXIOM 1L (one-laser version) is designed for use in manufacturing applications with a fixed depth of field and shorter read distances. Where product size and/or positioning varies significantly, the AXIOM 2L and 4L (2 and 4-laser versions) provide accurate bar code reading at distances up to 72 inches.

All AXIOMs require a universal wiring base and plug-in scan head. The scan head is available in a high-density version for high-speed scanning in fast moving applications.

**Sophisticated technology that's easy to use**

Although technologically advanced, AXIOM is designed for easy setup and operation. AXCESS™ setup software provides a familiar user interface, enabling you to configure readers without the need for onsite service. Simply connect to AXIOM via setup cable or on-board Ethernet connection. Specify valid bar codes, groups, and patterns. Define your I/O—including built-in trigger and tach signals and up to four solid state relays. When complete, download your application settings to the reader and you’re ready to go.

Built-in Parameter Storage Modules store the AXIOM operating parameters in both the scan head and wiring base. In the event replacement ever becomes necessary, just replace the scan head, and the correct parameters are installed with the push a button.

**Flexible connectivity... including built-in EtherNet/IP**

The AXIOM provides several options for bar code data transfer to your system including: UDP messaging, operation as a TCP/IP client or server, and EtherNet/IP. Use AXCESS software to configure and monitor your AXIOM readers from anywhere in your facility!

These features, along with comprehensive real-time performance monitors, make the AXIOM the leading bar code scanning solution in its class.

**AXIOM™ Bar Code Scanning Solutions**

Typical AXIOM bar code scanning solutions address these industries and applications:

- Retail/wholesale distribution
- Manufacturing
- Airline baggage
- Tire manufacturing
- Parcel distribution
- Automotive
- High-speed parcel sortation
- High-speed material handling
- Pallet scanning
- Multi-sided arrays
- Package verification
- Print/label verification

**Photo captions:** (FROM TOP LEFT) AXIOM control panel, AXIOM bar code reader, modular scan head and wiring base. On reverse: AXIOM wiring base with internal wiring diagram/cover.
# AXIOM™ Laser Bar Code Reader

## Characteristic

<table>
<thead>
<tr>
<th>Name/Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Name/Part Number</strong></td>
<td>Laser Bar Code Reader, AXIOM™</td>
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<tr>
<td><strong>PN/Specifications</strong></td>
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<td>1000052800</td>
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<td>1000052801</td>
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</tbody>
</table>

## Size
- L 6.23” [158 mm] x W 10.87” [276 mm] x H 5.19” [132 mm]

## Weight
- Scan Head: 7.9 lbs [3.9 kg]
- Mounting Bracket: 4.1 lbs [1.9 kg]
- Wiring Base: 1.8 lbs [0.8 kg]
- IP65 Power Supply: 2.5 lbs [1.1 kg]

## Enclosure
- Powder-coated cast aluminum, rated for IP65*

## Temperature
- Operating: +32° to +122° F [0° to +50° C]
- Storage: -4° to +158° F [-20° to +70° C]

## Relative Humidity
- 10% - 90% non-condensing

## Laser Type
- Visible laser diode 650 nM (standard)

## Power Requirement
- 12-30 VDC (power supplies available from Accu-Sort)

## Power Consumption
- < 40 W

## Visual Indicators (LEDs)
- Status, Trigger, Read, RX/TX, Network, Link; read quality (5 LEDs)

## Bar Code Types
- All standard 1D symbologies

## Connectors
- Dedicated setup port, optional RJ45 connector for Ethernet

## Communications
- Standard: On-board EtherNet/IP, Ethernet TCP/IP, Serial RS232, RS422, and 4 programmable I/O relays
- Optional: DeviceNet, Profinbus

## Options
- X-scanning bracket (supports 2 AXIOM and power supply)
- Domestic/international power supplies (120-240VAC, IP40 and IP65-rated versions), heated wiring base

## MTBF
- > 71,949 hours @ 86° F [30° C]

## Service Options
- Installation assistance and on-site training

## Warranty
- 1-year limited, parts and labor

## Compliance
- UL, cUL, CE, FCC (Class A), 21CFR1040, IEC-60825-1

*Actual performance may vary with configuration/application. Does not qualify for IP65 unless the IP65-rated supply is used.

For more information about auto-ID and material handling solutions from Accu-Sort Systems, contact us at:

**ACCU-SORT® SYSTEMS, INC.**
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Telford, PA 18969
1-800-BAR-CODE™

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