



IDENTIFICATION



APPLICATIONS

- Postal/Parcel sorting and tracking
- Automated warehousing identification systems
- Airport baggage sorting systems
- Cargo applications
- Receiving / shipping systems

ADVANTAGES

- **Highest possible read rates on good and poor quality codes**
 - Scanning over 2 read zones
 - No focusing required, no dead zones
- **Fastest Installation:**
 - Modular Scan Head and Wiring Base
- **Easy "Plug and Play" Replacement:**
 - Parameter Storage Modules store the configuration in scan head and wiring base
 - Modularity reduces downtime, simplifies replacement - no need to remember operating parameters!
- **Lowest Cost of Ownership:**
 - No maintenance (no fans or filters)

HIGHLIGHTS

- Up to 1120 SPS; better than 2x scan rate of prior one-box omnidirectional readers
- AXCESS™ powerful, intuitive user interface
- Flexible connectivity: EtherNet/IP, Ethernet TCP/IP, Serial and I/O all standard

GENERAL DESCRIPTION

The AXIOM-X™ is Accu-Sort's new compact omnidirectional reader. Housed in a rugged IP54-rated enclosure, AXIOM-X offers high-speed scanning up to 1120 scans per second capable of handling the most demanding applications. All AXIOM-X readers require a wiring base and plug-in scan head. The scan head is available in six versions; three for high-speed scanning in fast moving applications.

Sophisticated technology that's easy to use

Although technologically advanced, AXIOM-X is designed for easy setup and operation. AXCESS™ software provides a familiar user interface, enabling reader setup without the need for on-site service. Simply connect to AXIOM-X 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 the application settings to the reader and you're ready to go.

Built-in Parameter Storage Modules retain the 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 of a button.

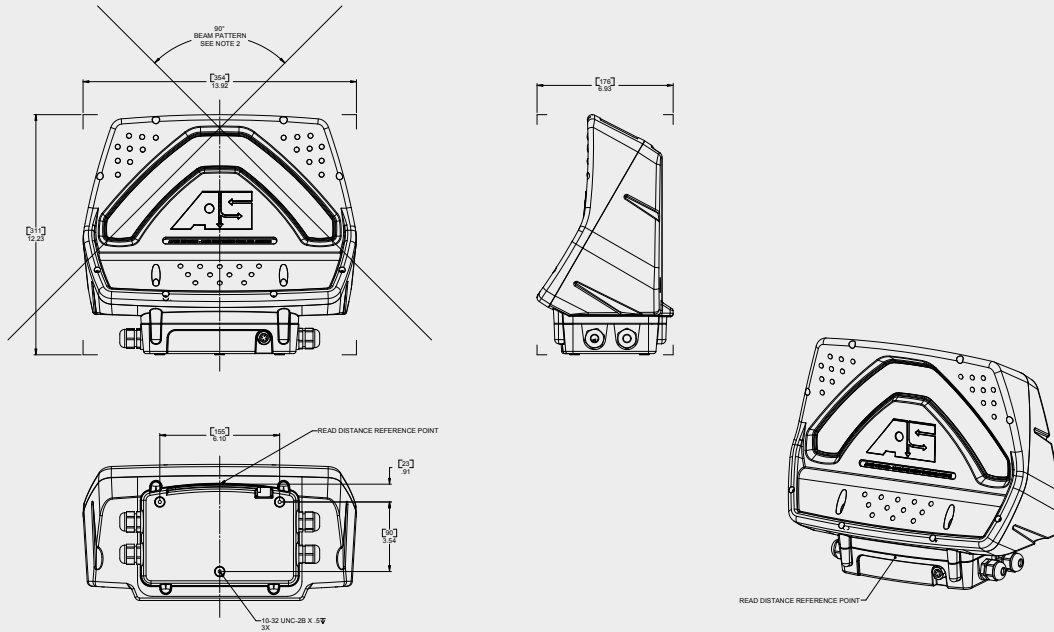
Flexible connectivity... including built-in EtherNet/IP

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

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

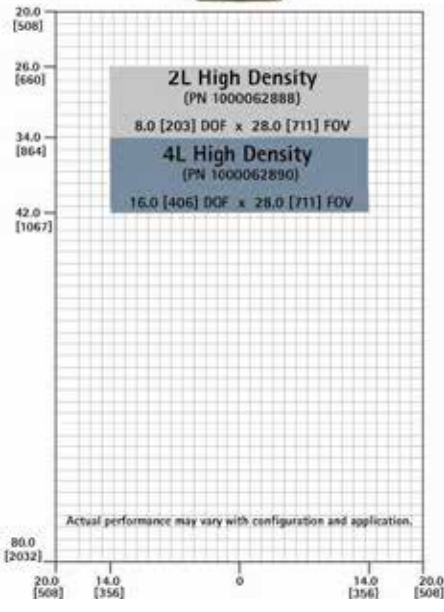


DIMENSIONS

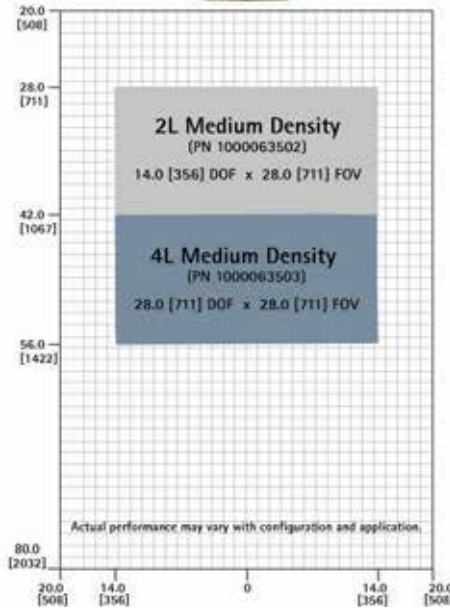


READING DIAGRAMS

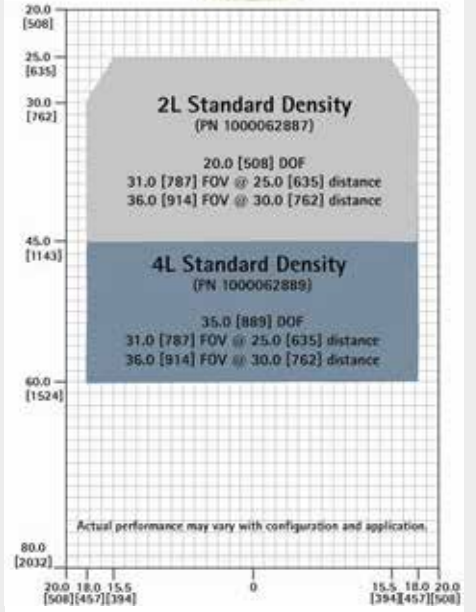
AXIOM-X Read Chart
(10 mil code size)



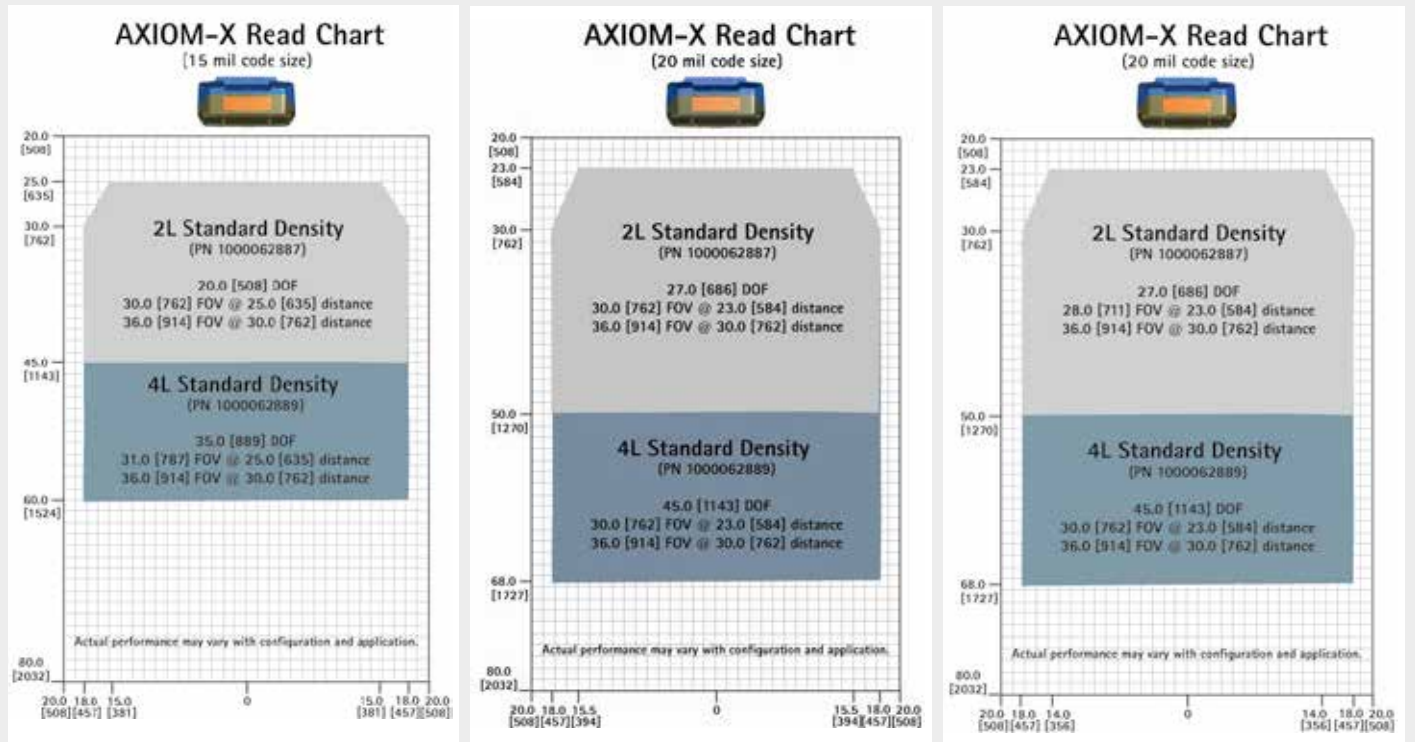
AXIOM-X Read Chart
(13 mil code size)



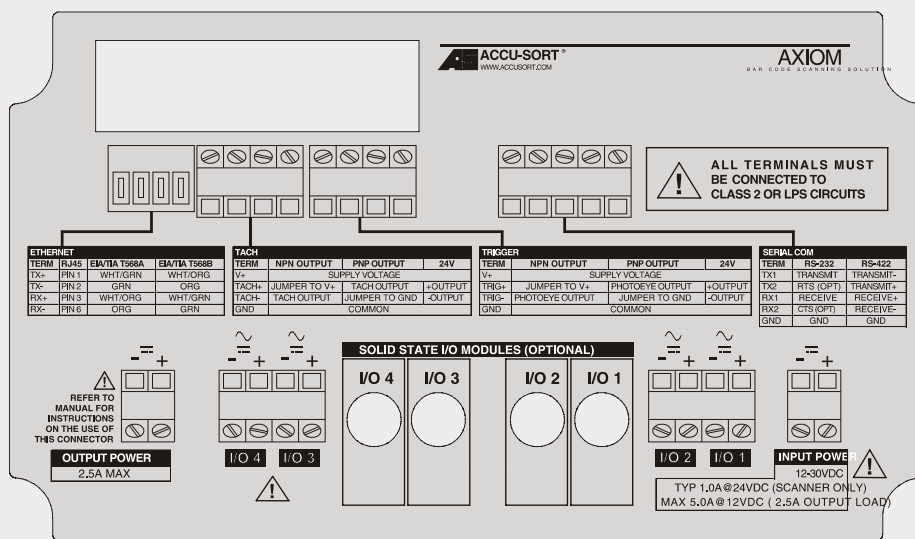
AXIOM-X Read Chart
(15 mil code size)



READING DIAGRAMS



ELECTRICAL CONNECTIONS



TECHNICAL DATA

Size	12.23" [311 mm] x W 13.92" [354 mm] x D 6.93" [176 mm]
Weight Scan Head	14.5 lbs [6.6 kg] Mounting Bracket: 4.1 lbs [1.9 kg]
Wiring Base	1.8 lbs [0.8 kg] Power Supply: 2.5 lbs [1.1 kg]
Enclosure	Powder-coated cast aluminum, high-impact plastic, rated for IP54
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
Communications Optional	DeviceNet, Profibus
Options	Universal Mounting Bracket (UMB), height tracking photoeye kit, 120 or 240VAC power supply, heated wiring base
MTBF	> 71,949 hours @ 86° F [30° C]
Compliance	UL, cUL, CE, FCC (Class A), 21CFR1040, IEC-60825-1

MODELS

1000062887	AXIOM-X SCANNER,2-LASER,STANDARD
1000062889	AXIOM-X SCANNER,4-LASER,STANDARD
1000062888	AXIOM-X SCANNER,2-LASER HIGH DENSITY
1000062890	AXIOM-X SCANNER,4-LASER,HIGH DENSITY
1000063502	AXIOM-X SCANNER,2-LASER,MEDIUM DENSITY
1000063503	AXIOM-X SCANNER,4-LASER,MEDIUM DENSITY

ACCESSORIES

WIRING BASES	
0104636001	ASSY, AXIOM WIRING BASE (US VERSION)
1000069265	AXIOM / AXIOM-X,PRE-ASSEMBLED,DOMESTIC WIRING BASE/IP40 POWER SUPPLY / UNIVERSAL MOUNTING BRACKET
1000069266	AXIOM / AXIOM-X,PRE-ASSEMBLED,INTERNATIONAL WIRING BASE/IP40 POWER SUPPLY / UNIVERSAL MOUNTING BRACKET
1000069267	AXIOM / AXIOM-X,PRE-ASSEMBLED,DOMESTIC WIRING BASE/IP65 POWER SUPPLY / UNIVERSAL MOUNTING BRACKET
1000069268	AXIOM / AXIOM-X,PRE-ASSEMBLED,INTERNATIONAL WIRING BASE/IP65 POWER SUPPLY / UNIVERSAL MOUNTING BRACKET
PROGRAMMING CABLES	
1000007308	CABLE, ADAPTASCAN SERIES B 8 FT PROGRAMMING
	DISCRETE I/O MODULES
1000056135	KIT, 3.3-32VDC INPUT MODULE
1000056136	KIT, 3-60VDC OUTPUT MODULE
1000056137	KIT,AXIOM 12-42VAC OUTPUT MODULE
MOUNTING EQUIPMENT	
0105307002	KIT, AXIOM MOUNTING BRACKET WITH POWER SUPPLY ADAPTER
0111236001	MOUNTING FRAME, STANDARD, SIDE READ, AXIOM & AXIOM-X
0110352001	MOUNTING STRUCTURE,STANDARD, TOP READ,AXIOM/AXIOM-X
POWER SUPPLY	
0105365001	40 WATT 24V POWER SUPPLY (DOMESTIC)
0105365002	40 WATT 24V POWER SUPPLY (INTERNATIONAL)
0112591001	KIT,POWER SUPPLY,40W,IP40,DOMESTIC,AXIOM/AXIOM-X
0112591002	KIT,POWER SUPPLY,40W,IP40,INTERNATIONAL,AXIOM/AXIOM-X

TACHOMETER	
1000019875	TACHOMETER, PROGRAMMABLE W/20FT CABLE 8-30VDC
1000020567	KIT, TACHOMETER BRACKET GENERAL MOUNTING
PHOTO EYE	
1000020569	KIT, FLYING LEAD PHOTO EYE Flying Leads, may also be used for start trigger PE in Start/End Trigger Appl
1000063534	KIT,HEIGHT TRACKING PHOTOEYE,1 PHOTOEYE,1 INPUT MODULE,AXIOM-X 4 ZONES order qty 3; 3 ZONES=qty 2
0112697001	KIT,MOUNTING,12IN,HEIGHT EYE,ADAPTER
0112697002	KIT,MOUNTING,24IN,HEIGHT EYE,ADAPTER
0112697003	KIT,MOUNTING,36IN,HEIGHT EYE,ADAPTER
BLOWER ASSEMBLIES	
0106318001	ASSY, BLOWER 120 VOLT AXIOM
0106318002	ASSY, BLOWER 230 VOLT AXIOM
SCANNER UPGRADES	
0111352001	AXIOM-X MOUNTING ADAPTER FOR QUAD-X, MINI-X AND XLT200 REPLACEMENT
0111328001	CABLE ASSEMBLY, AXIOM TO QUAD-X & XLT200 ZONE
0111329001	CABLE ASSEMBLY, AXIOM TO QUAD-X, XLT200, MINI-X, M24I COMM
0111330001	CABLE ASSEMBLY, AXIOM TO MINI-X & 24I TACH
0111331001	CABLE ASSEMBLY, AXIOM TO MINI-X & 24I TRIGGER
0111332001	CABLE ASSEMBLY, AXIOM TO MINI-X & 24I ZONE
0111333001	CABLE ASSEMBLY, AXIOM TO QUAD-X & XLT200 TACH NPN
0111334001	CABLE ASSEMBLY, AXIOM TO QUAD-X & XLT200 TACH 24V
0111335001	CABLE ASSEMBLY, AXIOM TO QUAD-X & XLT200 TRIGGER NPN
0111336001	CABLE ASSEMBLY, AXIOM TO QUAD-X & XLT200 TRIGGER +24V
0113601020	CABLE ASSEMBLY STACK LIGHT TO AXIOM I/O CABLE
0113607020	CABLE ASSEMBLY AXIOM TO SCAN GUN COM CABLE
0113608020	CABLE ASSEMBLY AXIOM TO QUAD RELAY BOX DIGITAL I/O CABLE
MUXLESS AIRPORT	
1000065024	HEARTBEAT CABLE ASSEMBLY,8FT
1000065025	REMOTE DISPLAY CABLE ASSEMBLY,15FT
1000065026	STACKLIGHT CABLE ASSEMBLY
1000020542	MATING CONNECTOR FOR HOST CABLE, 25-PIN MALE CE D CONNECTOR, SOLDER
0111400001	CABINET ASSEMBLY, AIRPORT DISTRIBUTION BOX (INTERNATIONAL)
0111400004	CABINET ASSEMBLY, AIRPORT DISTRIBUTION BOX (DOMESTIC)
1000051919	KIT,115VAC POWER CORD W/FLYING LEADS,20FT
1000051920	KIT,220VAC POWER CORD W/FLYING LEADS,20FT (NOT USED WITH AIRPORT DISTRIBUTION BOX)
1000016277	40 CHARACTER EXTERNAL DISPLAY
1000016280	ASSEMBLY, POWER SUPPLY, 120V, EXTERNAL DISPLAY
1000016283	ASSEMBLY, POWER SUPPLY, 220V, EXTERNAL DISPLAY (NOT USED WITH AIRPORT DISTRIBUTION BOX)
1000064910	ROUTER,8-PORT SWITCH,10/100 ETHERFAST
1000063529	CABLE,7FT,CAT5,RJ-45M TO RJ-45M,CROSSOVER,BLACK,NETWORK
NETWORK CONNECTIONS	
1000057419	SWITCH,WORKGROUP,8 PORT,ETHERFAST,10/100
1000059304	SWITCH,5-PORT ETHERNET 10/100 DUAL SPEED
1000051570	CABLE,10FT CAT5 RJ-45M TO RJ-45M CROSS-OVER GREY NETWORK
1000051571	CABLE,20FT CAT5 RJ-45M TO RJ-45M CROSS-OVER BLUE NETWORK
1000059543	CABLE,RJ45 IP65,4M,BLACK
1000059541	KIT,RJ45,ADAPTER,AXIOM
1000060201	KIT,RJ45 ADAPTER, METRIC
QUAD RELAY BOX	
1000071073	KIT,QUAD RELAY OUTPUT,AXIOM
1000017698	QUAD RELAY BOX
1000018663	MODULE,SINGLE DC OUTPUT 5-60V,3A MAX,RED
1000018666	MODULE,DRY CONTACT OUTPUT 130VAC,0.5A,NORMALLY OPEN
1000016570	MODULE,SINGLE DC INPUT 10-32 VOLTS,WHITE
1000016566	MODULE,SINGLE AC INPUT 90-140 VOLTS,YELLOW
1000018299	KIT,4PK,1/4-20 EXTRUSION MOUNTING HARDWARE