



 **BRADY**

V4500

Rugged Design.
Seamless Experience.

V-SERIES BARCODE SCANNER

THE SCAN IS JUST THE START

Digitize data capture and automate your workflows with ease — and accuracy

The rugged versatility you need. The seamless experience you've been waiting for. Open it up. Power it on. Get it done. The all-new V4500 rugged industrial scanner is purpose-built for the unique challenges of manufacturing and warehouse tasks, enduring even the harshest conditions. Transform your inventory and work in process management with our patented high-performance scan engine that helps you conquer tiny barcodes and hard to read surfaces. Automate your business with accuracy. Connect your operations seamlessly. Streamline your workflows sustainably. Work smarter with Brady Intelligent Manufacturing.

High-speed, omnidirectional barcode scanning made simple by Brady



Go from setup to first scan in seconds

Automated keyboard device + dynamic user interface



Take the pain out of programming

Easily connect to the cloud and your ERP system



Industrial-grade rugged durability

Withstands 6' drops (MIL-STD-810G)



All-day battery life

Lasts a full shift with over 75,000 scans & stay productive with inductive charging



GET BETTER VISIBILITY

throughout your facility

Pen and paper manual entry leads to costly errors. Replace traditional data entry and get more control and visibility as goods enter and exit your facility. The dynamic interface with the automated keyboard feature allows you to change settings right on the scanner to optimize productivity — and shows the full process of each scan on-screen to eliminate errors and reduce risk. Easily program to fit your workflows and navigate complexities. Sort and arrange data exactly how you want with the powerful data parsing feature. Verify the accuracy of shipments, locate misplaced goods and eliminate incomplete shipments or inaccurate data. Scanning made simple, with the most helpful support in the industry.

CONNECT YOUR
OPERATIONS
seamlessly

AUTOMATE
YOUR BUSINESS
with accuracy

STREAMLINE YOUR
WORKFLOWS
sustainably



Industrial Design

INTUITIVE FUNCTIONALITY

Our proprietary Cortex Decoder technology powers the patented high-performance scan engine that reads at incredible lengths and speeds. Helping you conquer tiny barcodes, while navigating shiny and hard to read surfaces with ease. A mobile scanning powerhouse that goes where you go to give you the flexibility you need — with the premium performance you expect from Brady.



A Image Capture
High-speed, omnidirectional barcode



B Setting Adjustment Feedback



C Easy To Use Battery Access Latch



D IP65 Sealed Device



V4500 Accessories
Efficient tools to get the job done. See page 15.

Open it up. Power it on. **GET IT DONE**

Start up in seconds. Do data differently.

The V4500 is the ultra high-performance yet intuitive entry-level scanner you need to optimize your workflows — and modernize your overall operations. A highly capable and complex instrument made super simple and easy to use. The intuitive screen and the best customer support team in the industry help get your team up to speed in no time. Go from out of the box to your first scan in seconds — one configuration code and you're good to go!



**START UP
IN SECONDS**



Programming doesn't have to be painful

We've made a scanner that seamlessly fits your workflow — not the other way around. Customize how you work with the intuitive interface. Start with a simple scan and easily connect to the cloud and your ERP system. Sort and arrange data exactly how you want with the powerful data parsing feature. Get up and running quickly and maximum your productivity.

Select what
you need for
your workflow



Transfer to
configure
setup with
one easy scan

Get help from real helpful humans with Brady Customer Support.

Experts are standing by to help when you need it. Keep your business moving with the most helpful support in the industry.

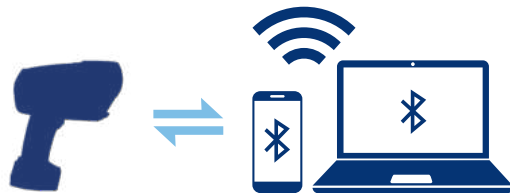


Start to take care of business — in an all new way

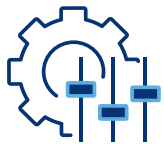
From an easy setup to a seamless experience. The V4500 has you covered from every angle.



**Capture
Data**



**Exchange
Data**



**Manage
Data**

GET BETTER WITH BRADY

Automate and simplify workflows with digital data capture

From the shop floor to the cloud — and everywhere in between — Brady helps you discover more ways to get better connected to your operations. Troubleshoot with more accuracy. Forecast, organize and scale across facilities. Make decisions in real-time. From automation to analytics, get everything you need to get started — then scale. Get better with Brady Intelligent Solutions.



Seamlessly scan tough to read surfaces with ease

Tiny, shiny, curvy applications, converge multiple scans into one barcode — or whatever the job demands — the V4500 has you covered.



INVENTORY MANAGEMENT

- Enable "living" interactive database
- Real time inventory levels
- Minimize misplacement of goods
- Accurately identify products



KIT VERIFICATION

- Custom scanner to fit workflow
- Step by step instructions
- Accurately fulfill orders
- Prevent costly rework



SCAN & PRINT

- On-board data parsing and editing
- Combine multiple labels into one
- Accurately recreate barcodes
- Seamless Brady interface



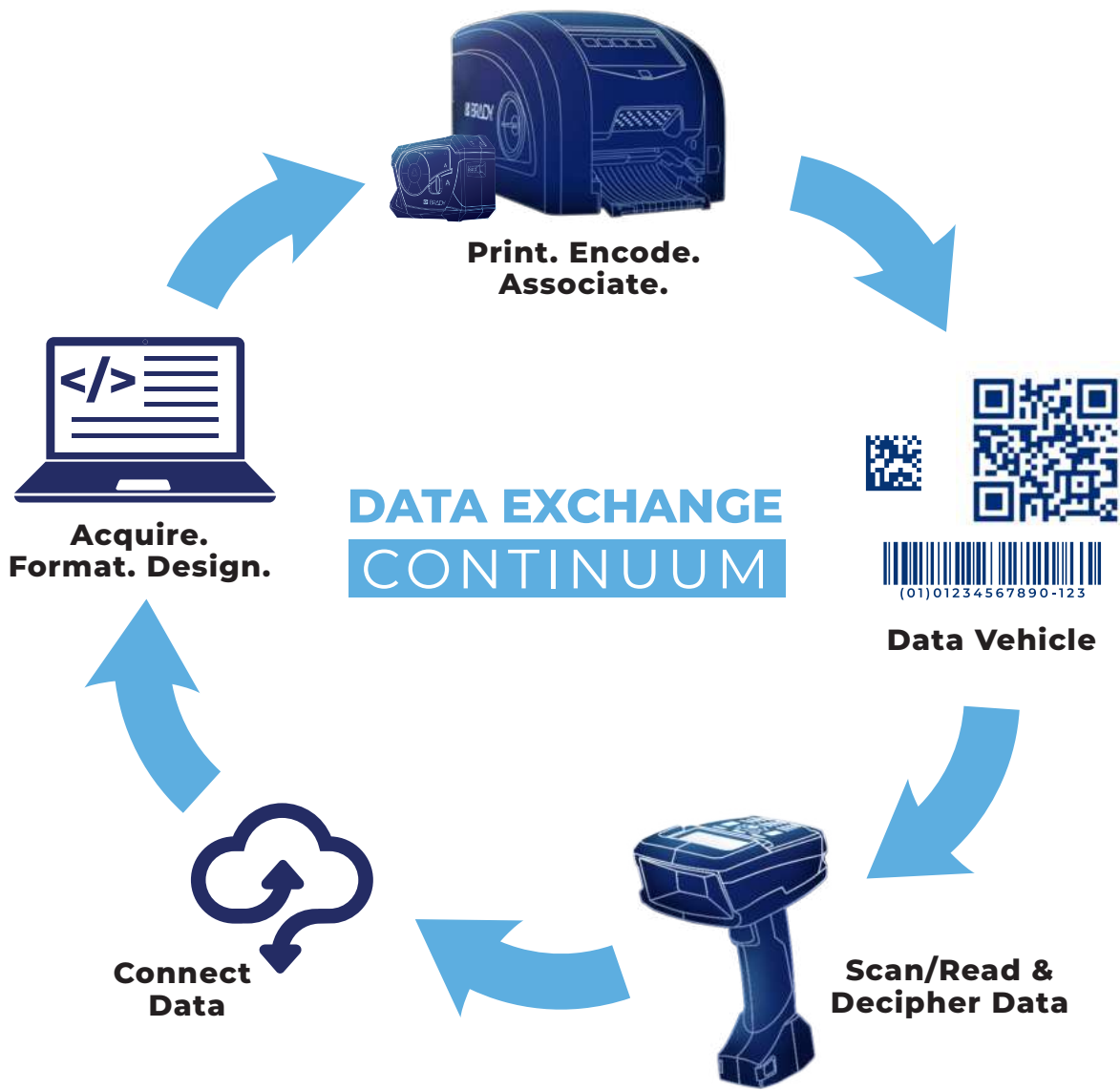
PACKOUT

- No guessing, get confirmation
- Prevent costly errors
- Faster workflows
- Eliminate downstream costs

A critical component of your INTELLIGENT ECOSYSTEM

The scan is just the start

Brady's digital data capture, exchange and print solutions help you automate your workflows and scan past the competition.



Portable Printers | Portable is more powerful than ever



► Get the rugged durability you need with the M210, M211, M511 and BMP41



► Connect seamlessly on the go with the M610, M710 and M611



► Stay precise & organized in the lab with the M210-LAB and BMP51

Benchtop Printers | Effortless operation. Precision perfected. Downright durable.



► Safety, Visuals and Facility ID Printers: Built for all — for every message that matters



► Product, Wire and Lab ID Printers: Powerful production for precise industrial printing

Brady Software | We make it easy to make premium labels in no time.



► Unleash the full potential of your Brady label printer with our label creation software.



► DESIGN. PREVIEW. PRINT. Any way you choose. Right from your phone.

HUNDREDS OF MATERIALS

specialized for what you need

Choose from our wide variety of categories with labels specifically designed for the applications you need. No matter the industry or environment your work demands — get the right label to get the job done right.



Multi-Purpose

Rely on white or clear labels for just about any industrial application involving high and low temperatures, harsh environments or regulatory specifications, including low-halide. Choose from various adhesion types: standard, high adhesion, ultra high adhesion or repositionable.



Electrostatic Dissipative

Use high performance, low profile labels with static dissipative adhesive for machine readable applications, circuit boards and electronic components.



Paper

Use low cost, smear-resistant paper labels for identifying just about anything in labs or industrial settings.



Flags

Create easy-to-read, permanent identification for wires and cables or to track assets in labs and manufacturing environments.



Unique Materials

From labels adhering to VELCRO® to durable, raised identification for switches – Brady has you covered. Here are some of our most unique materials.



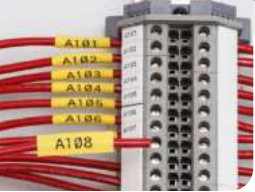
Wrap Around

Protect important wire and cable ID using labels with a clear laminating barrier. The clear vinyl resists abrasions and chemicals while keeping the white printable area intact.



Metallized

Use professional metallic-looking labels for rating plates, name plates and general identification of industrial products.



Heat Shrink

Choose industrial grade, heat-shrinkable sleeve labels for long lasting wire and cable identification. Built to Naval Air Systems Command (NAVAIR) and industry-specific standards.



Tags/Inserts

Get added durability from tags engineered for extreme temperatures and abrasion. Use to wrap wire or cable bundles in patch panels and outlets.



All-Weather

Get extra durability outdoors and in tough, industrial workspaces. Choose labels that are reflective or resist UV light, chemicals, salt spray and cleaners.



Tamper Evident

Ensure product and sample integrity with tamper-evident labels. Choose from labels that fracture easily, leave a VOID footprint or destruct upon removal.



Laboratory

Ensure lab samples remain legible, scannable and trackable in every extreme process: cryogenic, staining, solvents and processing fluids.

V4500 Scanner & Kits



Catalog#	Description
177229	V4500 Kit - Scanner, Cradle, Battery, AC Adapter, USB (1m) Cable, Power Cord
177233	V4500 Scanner
177231	V4500 Only Kit - Scanner, Battery

V4500 Accessories

Catalog#	Description
177230	V1100 Kit - Spare Charger, 2 Batteries, AC Adapter, Power Cord
177232	V1300 Only Kit - Cradle, AC Adapter, USB (1m) Cable, Power Cord
177234	V1200 Battery
177235	V1300 Cradle
177236	V1100 Spare Battery Charger
177237	USB Cable (1M)
177238	USB Cable (2.8M)
177239	RS232 Cable (1M)
177240	RS232 Cable (2.8M)
177241	AC Adapter
177242	Power Cord

Physical characteristics

Scanner Dimensions	5.984 in. L x 3.386 in. W x 7.776 in. H (152mm X 86mm x 197.5mm)
Charging Station Dimensions	10.079 in. L x 4.449 in. W x 2.953 H (256mm x 113mm x 75mm)
Scanner Weight	1.166 lbs (529 g)
Charging Station Weight	1.018 lbs (462 g)
IP Rating	IP 65
Colors	Blue, Yellow and Gray
Display	Color LCD Screen Diagonal 2.4 inch
Keypad	22 Keypads, alpha-numeric, 5 key directional pad, funtion keys

Performance characteristics

Field of View	High density field: 30° horizontal by 20° vertical; Wide field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 3.9 in. (100 mm)
Sensor	CMOS 1.2 megapixel (1280 x 960) gray scale
Optical Resolution	High density field: 960 x 640; wide field: 960 x 640
Pitch	± 65° (from front to back)
Skew	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	± 180°
Symbol Contrast	15% minimum reflectance difference
Target Beam	Single blue targeting bar, 0.0000185" (470 nm)
Ambient Light Immunity	Sunlight: Up to 9,000 fc (96,890 lux)
Shock	MIL-STD-810G drop; multiple drops at 6'
Crush	250 lbs-ft
Bluetooth Radio Range	60m
User Indications	Lights, Sound and Vibration
Power Requirements	9VDC, Max 1.5A
Number of Scans	75,000+
Battery	Lithium Ion, 3.6V, 3300mAh
ESD Protection	15 kV air, 8 kV direct
Charge Station Communication Interfaces	USB 2.0 (Generic HID, HID Keyboard)
Scanner Communication	Bluetooth® 5 Low Energy (Class II)
Supported Host Interfaces	Keyboard Wedge, USB, RS232
Warranty	3 Years Scanner & Cradle; 1 Year Battery

User environment

Operating Temperature	-4° to 122° F (-20° to 50° C)
Storage Temperature	-22° to 150° F (-30° to 65° C)
Humidity	5% to 95% non-condensing
Decode Capability	1D: BC412, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN Stacked 1D: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417 2D: Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1 Proprietary 2D: GoCode® (optional license required) Postal codes: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Post-Net, Planet, UK Royal Mail, UPU ID-tags Formats: JPEG or PGM High density or wide field JavaScript GS1, HIBC, driver's licenses and ID cards (optional license required)
Data Structure Validation	ISO15418, ISO15434, HIBC UDI
Environmental Regulatory	RoHS, REACH
Harsh Environment	WD-40, Lubricating Oil, Bearing Grease, Aluminum and Steel Cutting Oil, 99% Isopropyl Alcohol, Acetone, Ammonia Solution, Bleach
EM/RFI	EN 55032, EN 55035, EN 62311:2008, EN 61000-3-2, EN 61000-3-3, EN 300328
Data Structure Validation	ISO15418, ISO15434, HIBC UDI

Typical working ranges

	3 mil Code 39	7.5 mil Code 39	10.5 mil GS1 Databar	13 mil UPC	5 mil DM	6.3 mil DM	10 mil DM	20.8 mil DM
Min inches	3.5" (90 mm)	0.9" (23mm)	0.4" (10 mm)	0.7" (18 mm)	1.3" (33 mm)	0.9" (23 mm)	0.4" (10 mm)	0.7" (18 mm)
Max Inches	4.4" (112 mm)	6.8" (172 mm)	8.3" (210 mm)	10.6" (270 mm)	4.1" (105 mm)	5.5" (140 mm)	6.7" (170 mm)	13.1" (333 mm)

Note: Working ranges are a combination of both the wide- and high- density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Measured from the front of the read with default settings in metric units then converted to imperial units. Testing conditions may impact working ranges.



We make products that make the world a safer and smarter place. From the depths of the ocean to outer space, from the factory floor to the delivery room — **we're just about everywhere you look.**

► For more information or to learn more about our innovative products, visit BradyID.com or call 1-888-272-3946.

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Customer Service: 1-888-272-3946
BradyID.com

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Customer Service: 1-800-263-6179
BradyCanada.ca

Mexico
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Inside Sales: 1-800-262-7777 ext 177
BradyID.com.mx



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