



wasp
BARCODE TECHNOLOGIES



WDI7600 | 2D USB Barcode Scanner

High-Performance Industrial Scanner Built for Tough Environments and Heavy Daily Use



Key Features

- Fast omnidirectional scanning for 1D, stacked, 2D, and postal barcodes
- IP65 and IP67 ratings for protection against dust and water
- Balanced center-of-gravity design for comfortable use
- White light illumination for crisp, reliable reads
- Three green lights and a loud beeper for clear good-read feedback

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ELECTRICAL CHARACTERISTICS

Current: Operating (Typical): SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V.
Input Voltage: 5 - 30 VDC $\pm$ 5%

PHYSICAL CHARACTERISTICS

Dimensions: 7.5" H x 5.5" L x 3.1" W (19.0 cm H x 14.0 cm L x 7.9 cm W)
Net weight (scanner only): 11.2 oz (.32 kg)
Shipping weight (boxed): 1.30 lbs (.59 kg)
Interfaces: USB

ENVIRONMENTAL CHARACTERISTICS

Ambient Light: 0 – 100,000 lux
Operating temperature: -4°F to 122°F (-20° to 50°C)
Storage temperature: -40°F to 158°F (-40°C to 70°C)
Charging: 32 to 104 °F (0 to 40 °C) nominal; 32 to 95 °F (0 to 35 °C) ideal
Humidity: 0% to 95% (non-condensing)
Drop resistance: Withstands 50 drops from 8.2 ft (2.5 m) @ 20 °C / 68 °F;
Withstands 50 drops from 6.6 ft (2.0 m) @ -20 °C / -4 °.
Trigger resistance: Withstands 10 million hits
Particulate and Water Sealing: IP67 and IP65
ESD Protection (Air Discharge): 20 kV

SAFETY CERTIFICATIONS

Agency Approvals: The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications. Environmental Compliance: Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.
Laser Classification: Caution Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825 Class 2. LED Classification: IEC 62471 LED Class: Exempt

SYMBOLOGIES READ

1D / Linear Codes: Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D Codes: Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot Code
Postal Codes: Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC). Stacked Codes: EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

READING PERFORMANCE

Imager Sensor: 1280 x 800 pixels
Light source: Aiming: 630-680 nm VLD; Illumination: White LED reading light
Print Contrast Ratio (Minimum): 15%
Reading Angle: Pitch: +/- 52°; Roll (Tilt): 360°; Skew (Yaw): +/- 52°
Reading Indicators: Beeper (Adjustable Tone and Volume); Three Green Lights technology for good-read feedback; 'Green Spot'; Dual Good Read LEDs; Vibration.
Resolution (Maximum): 1D Codes: 3 mil; 2D Codes: 6 mil

READING RANGES

Typical Depth of Field: Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.
Code 128: 5 mils: 2.5 to 12.2 in (6.4 to 30.9 cm), 20 mils: 1.6 to 40.8 in (4 to 103.7 cm), 40 mils: 2.2 to 68.9 in (5.5 to 175 cm); EAN/UPC 13 mils: 1.5 to 26.5 in (4 to 67.5 cm); DataMatrix 10 mils: 2.5 to 11.8 in (6 to 30 cm).

PART NUMBERS

Wasp WDI7600 2D USB Barcode Scanner (I00009451)
WaspProtect WDI7500/WDI7600 - US only (633809002991)



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