

ARGOX
Empower the Barcode

**ArgoScan Barcode Imager
Cordless Series
AS-8020CL / AS-8520**



AS-8020CL

AS-8520



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ArgoScan Barcode Imager Cordless Series AS-8020CL / AS-8520



Features

- Light Weight, Ergonomic Design
- General Purpose reader - a single device covering the broadest range of application
- Durable - without any moving parts to wear out
- Operate with a 100-meter data transmission range.
- Excellent Scanning Performance starting at 0.1mm (4 mil)
- Readable Under Sun Light
- Support GS1 databar (RSS) & CS (Composite Symbology) barcodes
- Reliability
 - (1) Trigger: 1,000,000 times
 - (2) Cable: 320,000 times (90°)
 - (3) Drop: 1.5 meter

| Depth of Field | | |
|----------------|--------------|----------------|
| Resolution | AS-8020CL | AS-8520 |
| 4 mil | 5 ~ 50 mm | 46 ~ 95 mm |
| 5 mil | 5 ~ 60 mm | 46 ~ 102 mm |
| 10 mil | 5 ~ 130 mm | 58 ~ 214 mm |
| 13 mil | Up to 180 mm | Up to 340 mm |
| 20 mil | Up to 270 mm | Up to 600 mm |
| 40 mil | Up to 550 mm | Up to 1,100 mm |

Applications

POS
Pharmacy
Medical Treatment
Financial Service
Retail
Inventory
Logistic
Manufacturer
Packaging

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Product Values



AS-8020CL

AS-8020CL

The new AS-8020CL Cordless Scanner is the wireless version of our popular AS-8000 Scanner. It offers the same advantages in speed, depth-of-field, reliability, sleek styling, and ease-of-use, but now there is wireless capability to give operators greater mobility for scanning those tough to reach barcodes. The AS-8020CL cordless scanner is perfect for retail applications. It is easy to operate, light-weight and comfortable to use. This scanner reads all common barcode symbologies from contact up to a distance of 125mm. The rubber housing allows contact scanning for faster scans. An outstanding cordless scanner for retail applications, the AS-8020CL provides unbeatable performance in a cost-effective package



AS-8520

AS-8520

The AS-8520 long Range Cordless Imager provides a high performance scanning with a rapid scan rate (450 scans/sec) and superior depth of field (up to 40 inches on 40-mil codes). Utilizing Argox's unique wireless-communication technology, the AS-8520 operates with a 100-meter data transmission range. Accompanying with a long-lasting Li-ion battery pack and IP42 sealing level design, the AS-8520 offers the freedom of mobility of barcode scanning and outstanding durability in a wide range of applications including business offices for shipping / receiving, supermarkets, warehouses and manufacturing.



Accessories



> AS-8020CL charging cradle



> AS-8520 charging cradle

| Specifications | AS- 8020CL | AS- 8520 |
|------------------------------|--|---|
| Light source | 630nm Visible Red LED | 630nm Visible Red LED |
| Optical system | 2048 pixel CCD (Charge-coupled device) | 2048 pixel CCD (charge-coupled device) |
| Depth of scan field | 0-270 mm (Code39, PCS=90%, 20mil) | 0-600 mm (Code39, PCS=90%, 20mil) |
| Scanning width | / | 160mm |
| Scan speed | 300 scan/sec | 450 scan/sec |
| Resolution | 0.1mm (4mil) Code39, PCS=90%, on contact | 0.1mm (4mil) Code39, PCS=90%, on contact |
| Print contrast | 30% or more | 30% or more |
| Scanning angle | Front: 60° ,Rear: 60° ,Yaw: 75° | Front: 60° ,Rear: 60° ,Yaw: 75° |
| Decode capability | Autodiscriminates all standard barcodes; including GS1 databar Other symbologies can be ordered optionally | Autodiscriminates all standard barcodes; including GS1 databar Other symbologies can be ordered optionally |
| Beeper operation | 7 tones or no beep | 7 tones or no beep |
| Indicator | Green & Red Led (2 more LED for 8020 CL cradle) | Green & Red Led (2 more LED for 8520 cradle) |
| Length | 187 mm | 164 mm |
| Width-handle | 35 mm | 30 mm |
| Width-head | 75 mm | 78 mm |
| Depth-handle | 33 mm | 56 mm |
| Depth-head | 44 mm | 35 mm |
| Weight | 200g (battery included) | 250g (battery included) |
| Radio range | 100 meters | 100 meters |
| Radio frequency | Type: GFSK Modulation Frequency: 2.4~2.483 GHZ Power: 0.25~2.5mw ; Adaptive Frequency System | Type: GFSK Modulation Frequency: 2.4~2.483 GHZ Power: 0.25~2.5mw ; Adaptive Frequency System |
| Connector type | RJ-45 phone jack connector | RJ-45 phone jack connector |
| Case material | ABS plastic (over molded at contact pointed) | ABS plastic (over molded at contact pointed) |
| Input voltage | 5 VDC ± 0.25V | 5 VDC ± 0.25V |
| Power - operating | 945 mW | 900 mW |
| Power - standby | 150 mW | 150 mW |
| Current - operating | 290 mA @ 3.7 VDC | 225 mA @ 4.2 VDC |
| Current - standby | 32 mA @ 3.7 VDC | 32 mA @ 4.2 VDC |
| Operating Temperature | 0°C to 50°C (32°F to 122°F) | 0°C to 50°C (32°F to 122°F) |
| Storage | -20°C to 70°C (-4°F to 158°F) (battery not included for 8000CL) | -20°C to 70°C (-4°F to 158°F) (battery not included for 8510) |
| Humidity | 10% to 90% relative humidity, non-condensing | 10% to 90% relative humidity, non-condensing |
| Light level | Up to 45000 lux | Up to 70000 lux |
| Shock | 1.5m drop onto concrete (90cm for 8020CL cradle) | 1.5m drop onto concrete (90cm for 8520 cradle) |
| Programming method | / | Manual (Reading special barcodes) DOS command through RS232, Windows configuration program |
| Contaminants | Seals to resist airborne particulate contaminants (IP 42) | Seals to resist airborne particulate contaminants (IP 42) |
| Program upgrade | Enabled by built-in flash memory | Enabled by build-in flash memory |
| EMC |  |  |
| Programmable characteristics | Code type selection, check digit selection, Decoding option, Transmitted character delay, header selection, trailer selection, message suffix, good read beep tone and volume, scanner trigger selection Keyboard emulation type (intermessage delay, keyboard type and keyboard language) Serial interface type (ACK/NAK, Xon/Xoff, RTS/CTS, good read LED control, start/stop bits) Cordless type (special cordless transmission character settings for 8020CL & 8520) | |