



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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*Empower the Barcode*



## 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 $\pm$ 0.25V	5 VDC $\pm$ 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	    T3A078	    T3A078
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)	