

4820i

Industrial Cordless 2D Imager



The 4820i Advantage:

From the global leader in handheld imaging solutions, the 4820i Industrial Cordless 2D Imager is designed to provide unmatched data collection performance and versatility for applications that demand maximum reliability in the harshest working environments.

Performance and Versatility Powered by Adaptus™ Imaging Technology 5.0

- One solution reads all linear and 2D bar codes
- Omni-directional scanning of all bar codes enables easy use, regardless of how the code is presented
- High tolerance to motion ensures aggressive reading in fast paced, scan-intensive applications
- No depth of field reduction in low lighting environments, ensuring consistent high-performance
- Aggressive reading of damaged and poorly printed bar codes
- Digital image capture with integrated software tools that enable effective use of images for data management

Purpose-Built for Rugged Environments and Maximum User Comfort

- 100% solid-state with no moving parts
- Polycarbonate copolymer housing is flame retardant and maintains impact resistance at low temperatures
- 50 drops to concrete from 6.5' (2m)
- IP54 certified
- Smaller and lighter than most devices in its class

Battery Technology Optimized for Industrial Cordless Applications

- Up to 50,000 scans per full charge
- Li-Ion battery has no “memory effect” that leads to diminished battery capacity
- Tool-free access to the battery enables users to swap batteries on the fly, ensuring continual uptime



SPECIFICATION COMPARISONS



**Hand Held
Products™
4820i**

**Symbol®
DS3478**

**Symbol®
LS3478**

**PSC®
PowerScan RF**

**Datalogic®
Dragon**

	Hand Held Products™ 4820i	Symbol® DS3478	Symbol® LS3478	PSC® PowerScan RF	Datalogic® Dragon
Data Collection Technology	Adaptus Imaging Technology 5.0 (2D)	2D Imaging	Laser	Laser	Laser
Drop Specification	50 drops from 6.5' (2m) to concrete	Repeated 6.5' (2m) drops to concrete	Repeated 6.5' (2m) drops to concrete	Multiple 6.5' (2m) drops to concrete	Repeated 6' (1.8m) drops onto a concrete surface
IP Rating	IP54	IP65	IP65	IP54	Unknown
Working Temperature Range	14° to 122°F (-10° to 50°C)	32° to 122°F (-0° to 50°C)	-4° to 122°F (-20° to 50°C)	14° to 122°F (-10° to 50°C)	14° to 122°F (-10° to 50°C)
Weight	9.6 oz (272 gm)	14.6 oz. (414 gm)	14.6 oz. (414 gm)	12.7 oz (360 gm)	9.53 oz (270 gm)
Dimensions (Height x Width x Depth)	6.21 x 4.05 x 3.19" (15.77 x 10.28 x 8.10 cm)	7.34 x 4.82 x 2.93" (18.65 x 12.25 x 7.43 cm)	7.34 x 4.82 x 2.93" (18.65 x 12.25 x 7.43 cm)	9.4 x 4 x 2.8" (23.9 x 10.2 x 7.1 cm)	7.28 x 4.52 x 4.09" (18.5 x 11.5 x 10.4 cm)
Radio Technology	2.4GHz (Bluetooth Class 2)	2.4GHz (Bluetooth Class 1)	2.4GHz (Bluetooth Class 1)	900MHz / 433MHz	900MHz / 433MHz
Communication Range	10m (33')	100m (330')	100m (330')	150' (46m)	160' (50m) EMEA 100' (30m) US
Scans per full charge	50,000	No Spec	No Spec	6,000	60,000
Battery Technology	Lithium Ion	Lithium Ion	Lithium Ion	NiMh	Lithium Ion
Tool-Free Battery Access	Yes	No	No	No	No
Warranty	3 years	3 years	3 years	3 years	2 years

All product specifications contained in this document were taken directly from official product documentation. This information is subject to change without notice.

Worldwide Offices

Offices Serving North America
Skaneateles Falls, NY
Tel: +1 315 685 8945
or, in North America: +1 800 582 4263
napresales@handheld.com
Charlotte, NC
Tel: +1 704 998 3998
or, in North America: +1 800 582 4263
napresales@handheld.com

**Offices Serving Europe,
Middle East, and Africa**

Europe
Tel: +31 (0) 40 29 01 600
eusales@handheld.com
United Kingdom
Tel: +44 (0) 1 925 240055
eusales@handheld.com
Italy
Tel: +39 02 7254 6754
Info.italy@handheld.com

France

Tel: +33 (0) 1 41 158220
Info.france@handheld.com
Germany
Tel: +49 (0) 7 477 151377
Info.germany@handheld.com
Spain
Tel: +34 93 228 78 68
Info.spain@handheld.com

**Offices Serving Asia and
the Pacific Rim**

Hong Kong
Tel: +852 2511 3050
appresales@handheld.com
Japan
Tel: +813 5770 6312
appresales@handheld.com
Shanghai
Tel: +86 21 6361 3818
appresales@handheld.com

**Offices Serving Latin
America**

Naples, Florida
Tel: +1 239 263 7600
lapresales@handheld.com
São Paulo
Tel: +55 11 2178 0501
lapresales@handheld.com
Rio De Janeiro
Tel: +55 21 2178 0500
lapresales@handheld.com

Mexico

Tel: +52 55 5203 2100
lapresales@handheld.com

Web Site Address www.handheld.com

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