

AsReader (ASR-020D) Product Data Sheet



ASR-020D (2D Barcode Scanner)



| | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|--------------------------------|--|-------------------|--|--------------------------|--|--------------------------------|--|---------------------------|--|----------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|--|--|
| Model Name | | ASR-020D | | | | | | | | | | | | | | | | | | | | |
| Barcode | Reading method | 2D CMOS | | | | | | | | | | | | | | | | | | | | |
| | Readable range | <table border="0"> <tr> <td>■ Barcode density</td> <td>■ Reading distance from tip of scanner</td> <td>■ Barcode density</td> <td>■ Reading distance from tip of scanner</td> </tr> <tr> <td>CODE39 - 4mil : 9 ~ 22cm</td> <td></td> <td>Data Matrix - 10mil : 8 ~ 25cm</td> <td></td> </tr> <tr> <td>CODE128 - 5mil : 8 ~ 20cm</td> <td></td> <td>100% UPCA : 5 ~ 65cm</td> <td></td> </tr> <tr> <td>CODE39 - 5mil : 6 ~ 34cm</td> <td></td> <td>Code39 -20mil : 6 ~ 76cm</td> <td></td> </tr> <tr> <td>PDF417 - 5mil : 8 ~ 21cm</td> <td></td> <td></td> <td></td> </tr> </table> | ■ Barcode density | ■ Reading distance from tip of scanner | ■ Barcode density | ■ Reading distance from tip of scanner | CODE39 - 4mil : 9 ~ 22cm | | Data Matrix - 10mil : 8 ~ 25cm | | CODE128 - 5mil : 8 ~ 20cm | | 100% UPCA : 5 ~ 65cm | | CODE39 - 5mil : 6 ~ 34cm | | Code39 -20mil : 6 ~ 76cm | | PDF417 - 5mil : 8 ~ 21cm | | | |
| | ■ Barcode density | ■ Reading distance from tip of scanner | ■ Barcode density | ■ Reading distance from tip of scanner | | | | | | | | | | | | | | | | | | |
| | CODE39 - 4mil : 9 ~ 22cm | | Data Matrix - 10mil : 8 ~ 25cm | | | | | | | | | | | | | | | | | | | |
| | CODE128 - 5mil : 8 ~ 20cm | | 100% UPCA : 5 ~ 65cm | | | | | | | | | | | | | | | | | | | |
| CODE39 - 5mil : 6 ~ 34cm | | Code39 -20mil : 6 ~ 76cm | | | | | | | | | | | | | | | | | | | | |
| PDF417 - 5mil : 8 ~ 21cm | | | | | | | | | | | | | | | | | | | | | | |
| Reading width | 40° (horizontal), 26° (vertical) | | | | | | | | | | | | | | | | | | | | | |
| Reading angle | Pitch: ±60° Roll: 360° Skew: ±60° *1 | | | | | | | | | | | | | | | | | | | | | |
| Readable barcodes | <p>■ 1D: JAN, UPC/EAN, CODE11, CODE39, CODE93, CODE128, ITF (INTERLEAVED 2of5), DISCRETE 2of5, CHINESE 2of5, MATRIX 2of5, CODABAR (NW7), MSI, GS1 DATABAR OMNIDIRECTIONAL, GS1 DATABAR LIMITED, GS1 DATABAR EXPANDED</p> <p>■ 2D: PDF417, MicroPDF417, Datamatrix, QR Code, Micro QR Code, Aztec, RSS, Composite, TLC-39, MaxiCode</p> <p>Postal: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)</p> | | | | | | | | | | | | | | | | | | | | | |
| Light source | Red LED | | | | | | | | | | | | | | | | | | | | | |
| Power source | Battery capacity | Built-in rechargeable lithium-ion battery (700mAh) | | | | | | | | | | | | | | | | | | | | |
| | Number of scans | Approx. 28,000 *2 | | | | | | | | | | | | | | | | | | | | |
| | Charging method | Magnetic charging cable *3 | | | | | | | | | | | | | | | | | | | | |
| | Charging time | Approx. 2 hours (built-in battery) *4 | | | | | | | | | | | | | | | | | | | | |
| Key input | 2 trigger key | | | | | | | | | | | | | | | | | | | | | |
| Communication | Interface: MFi on Lightning (SDK or HID) *5 | | | | | | | | | | | | | | | | | | | | | |
| Appearance | Dimensions (W)x(D)x(H) | 63.65 × 9.7 × 117.19 mm (2.51 × 0.38 × 4.61 inch) *6 | | | | | | | | | | | | | | | | | | | | |
| | Weight (with battery) | Approx. 70g | | | | | | | | | | | | | | | | | | | | |
| | Material | PC | | | | | | | | | | | | | | | | | | | | |
| | Casing color | White | | | | | | | | | | | | | | | | | | | | |
| LED display | Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged | | | | | | | | | | | | | | | | | | | | | |
| Environment | Operating temperature | -10~45 C, 20~85 % RH (Charge at 0 C or more, however) | | | | | | | | | | | | | | | | | | | | |
| | Storage temperature | -20~60 C, 10~95 % RH | | | | | | | | | | | | | | | | | | | | |
| | IP rating | IP54 compliant | | | | | | | | | | | | | | | | | | | | |
| | Anti-drop | (Six-sided × 4 edge, once each) 1.5 m (59.06 inch) *7 | | | | | | | | | | | | | | | | | | | | |
| Certificate | Apple MFi / FCC / CE / RoHS | | | | | | | | | | | | | | | | | | | | | |
| Bundled items | Magnetic charging cable | | | | | | | | | | | | | | | | | | | | | |

*1 Varies depending on barcode type

*2 Number of times by using our demo app when the BEEP sound, vibration and illumination are all set to ON.

*3 Standard iPhone® 1A charger is recommended for the magnetic charging cable.

*4 iPhone® and AsReader battery will be recharged simultaneously.

*5 A specialised SDK for communication via Lightning is available for download. SDK is unnecessary when using AsReader in HID mode.

*6 Excluding protrusions.

*7 The iPhone® screen may break depending on the drop angle.

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<https://AsReader.com>