

Scanner module for Smart-Ex 203

SM-Ex S203 SR



- High-performance 1D/2D scanner
- Bright white illumination field & green LED aiming spot
- Low weight of only 25 grams

Scanner module for Smart-Ex 203



Connection



Technical Data

Hardware

Scanner		
Scan engine		SE4107 1D/2D-Scanmodule
Sensor technology		Rolling shutter
Resolution		1280 x 960 pixels, 1.3 MP
Aimer		green LED
Illumination		white
Field of view		Horizontal: 44.5°, vertical: 33.5°
Focal distance		From front of scan engine: 15.24 cm

Release date: 2026-09-15 Date of issue: 2026-09-15 Filename: 70192137_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Orientation tolerance	Skew tolerance: $\pm 60^\circ$ Pitch tolerance: $\pm 60^\circ$ Roll tolerance: 360°
Supported barcode symbologies	5 mil Code 39, 5 mil Code 128, PDF 417, DataMatrix: 10 mil, 100 % UPCA, 15 mil QR, 20 mil QR Note: The complete table listing the barcode symbologies and their corresponding decode ranges can be found at the bottom of this datasheet.
Ambient conditions	
Operating temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-30 ... 70 °C (-22 ... 158 °F) Scanner module only, without device.
Mechanical specifications	
Mass	25 g
Dimensions	
W x H x D	39 mm x 20.8 mm x 41.4 mm
Height	20.8 mm
Width	39 mm
Depth	41.4 mm
General information	
Note	The certifications indicated above with logos are only valid in combination with the Smart-Ex 203. For more information, visit the Zebra website: https://www.zebra.com/gb/en/products/spec-sheets/oem/oem-engines/oem-array-imager-scan-engines/se4100-se4107.html .
Suitable series	
Series	Smart-Ex® 203

Additional Information

Decode Ranges

Symbology/Resolution	Near/Far
5 mil Code 39	6.1 cm to 24.1 cm
5 mil Code 128	7.1 cm to 22.9 cm
6.67 mil PDF 417	6.1 cm to 20.3 cm
10 mil DataMatrix	7.4 cm to 21.6 cm
100% UPCA	4.6 cm to 49.5 cm
15 mil QR	3.0 cm to 29.2 cm
20 mil QR	3.0 cm to 35.6 cm