



Symbol SE1200ALR

OEM scan engine



FEATURES

Working range up to 30 ft./9.1 m for 100 mil reflective symbols

Enables advanced long range scanning capability to be added to a variety of OEM devices

Special "Aim" mode

Helps make scanning from a distance easy and intuitive

650 nm bright laser diode

Easy to see scan line is suitable for long distance scanning

Reads 30 mil bar codes from 2.75 ft. to 8 ft. (0.83 m to 2.4 m)

Ideal for data capture devices used in warehouse applications

Advanced long range scanning for portable OEM devices

The high-performance Symbol SE1200ALR Advanced Long Range Scan Engine from Motorola brings the benefits of bar code laser scanning to a variety of OEM devices. Now handheld computers, handheld scanners and other appliances can all be equipped with the leading-edge scanning technology and reliability that is available only from Motorola. The entire SE1200 Scan Engine Series — including the Advanced Long Range, Long Range, High Performance, Wide Angle and Very High Density models — has been designed to provide the highest scanning performance in the smallest package possible. For added versatility, each engine is identical in size, allowing for fast, cost-effective interchangeability when upgrading or modifying your OEM device for specialized applications.

Go to great lengths and scan with confidence

The Symbol SE1200ALR Scan Engine has a working range out to 30 ft./9.1 m for 100 mil reflective symbols. The 650 nm "brighter" laser diode provides a highly visible scan line. The Symbol SE1200ALR supports "Aim" mode which, together with the bright scan line, ensures that users accurately target bar codes for easy and intuitive data capture data from great distances or on multi-

level warehouse pallets. The Symbol SE1200ALR is designed specifically for easy targeting and capture of bar codes at great distances, such as in multi-level warehouse environments. Its wide temperature range, immunity to ambient light and durable design ensure the Symbol SE1200ALR delivers premium long range scanning performance in demanding environments — even in sunlight. And, it offers the features that OEM manufacturers have come to expect from the Symbol SE1200 Scan Engine Series: superior shock impact survival and optimal read performance on poor quality labels.

Proven technology to enhance your solutions

With millions of installations worldwide, our OEM devices are proven to deliver high reliability and superior performance, ensuring the accurate and quick capture of data and images in your mission-critical applications and devices. In addition, since our OEM devices are designed to ease integration, you can bring your systems to market quickly and cost-effectively.

For more information about the Symbol SE1200ALR Advanced Long Range Scan Engine, visit www.symbol.com/se1200alr or access our global contact directory at www.symbol.com/contact.

SPECIFICATION SHEET

SYMBOL SE1200ALR
OEM scan engine

Symbol SE1200ALR Specifications

Physical Characteristics	User Environment
Dimensions: .76H x 1.51W x 1.0D (in) 19.3H x 38.35W x 25.4D (mm)	Ambient Light: Artificial: 450 ft. candles (4,844 lux) Sunlight: 4,000 ft candles (86,112 Lux)
Weight: 1.19 oz / 34 g	Operating Temperature: -22° to 131°F (-30° to 55°C)
Configuration: undecoded	Storage Temperature: -40° to 140°F (-40° to 60°C)
Interface: DPB on a 8 pin ZIF connector	Humidity: 5% to 95% non-condensing
Performance Characteristics	Power: Input Voltage: 5 VDC ± 10% Scan Current: 72 mA typical Standby Current: 50 µA max.
Light Source: Visible Laser Diode 650 nm	Shock Rating: 2,000 G
Scan Rate: 35 (± 5) scans/sec (bi-directional)	Regulatory
Scan Angle: 13° ± 2°	Laser Classification: Intended for use in CDRH Class II and IEC Class 2 devices
Scan Patterns: Linear	Electrical Safety: UL, VDE, and CUL recognized component laser
Minimum Print Contrast: Minimum 40% absolute dark/light reflectance measured at 650 nm	Environmental: RoHS compliant
Ranges - 1D codes: 13 mil: 100% IPC - 90% MRD: 19 - 39 (in) / 48.26 - 99.06 (cm) 15 mil: Code 39; 2.8:1 - 90% MRD: 20 - 50 (in) / 50.80 - 127 (cm) 30 mil: Code 39; 3:1 - 90% MRD: 33 - 98 (in) / 83.82 - 248.92 (cm) 55 mil: Code 39; 3:1 - 90% MRD: 27 - 115 (in) / 65.58 - 276.86 (cm) 70 mil reflective: Code 39; 3:1 - 90% MRD: 114 - 250 (in) / 289.56 - 635 (cm) 100 mil reflective: Code 39; 3:1 - 90% MRD: 125 - 360 (in) / 317.5 - 914.4 (cm)	Specifications are subject to change without notice. All product and company names are trademarks, service marks or registered trademarks of their respective owners.



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