



- The most compact size with the longest depth of field
- Easy integration in all type of built-in and OEM applications
- Scan pattern of omni-directional scanning
- MICA comes with two optional stands; High stand, and , Short stand for customers to choose.

# MICA M-9030

## Omni-Directional Laser Engine

SCANTECH ID  
CHAMPTEK Group

### Introduction

#### ***The most compact high performing omni-directional barcode scan engine for built-in applications!***

The Scantech ID MICA M-9030 is a very compact and high performance omni-directional laser barcode scan engine ideal for built-in and Original Equipment Manufacturer (OEM) applications.

With 24 scan lines in 6 scan directions and 2,000 scans per second, the MICA M-9030 provides an outstanding scan performance and makes it very easy to scan all common type 1D barcodes, including GS1 DataBar, independent of its orientation.

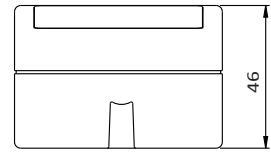
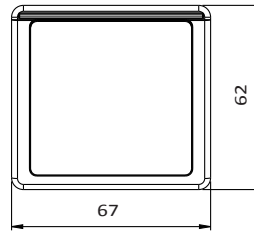
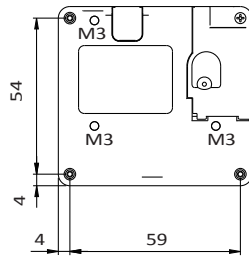
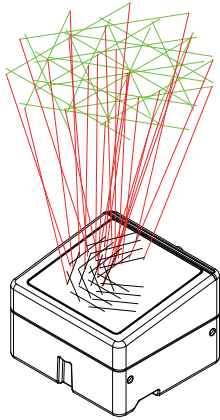
The optimized compact design makes it very easy to integrate the MICA M-9030 in many built-in and OEM applications like kiosks, ATM's, return vending machines, price verifiers and access control terminals.

The MICA M-9030 is designed with multiple interfaces, user upgradeable software and auto-sense which saves costs and improves life time. If you are looking for a compact, easy to integrate barcode scan engine with an outstanding scan performance, then the MICA M-9030 is the answer.

### Features

- Most compact omni-directional laser barcode scan engine in its class.
- Optimized design for built-in and OEM applications.
- Reading all common 1D barcodes, incl. GS1 DataBar, regardless of its orientation.
- Scantech ID STAR reconstruction software for reading of fragmented and damaged barcodes.
- High scan rate with 2,000 scans/sec and 24 scan lines
- Auto sense function which saves power and improves life time. (Option)

# MICA M-9030



## Specifications

### Physical Characteristics

Depth	46.00mm/ 1.81 inch
Width	67.00mm/ 2.63 inch
Height	62.00mm/ 2.44 inch
Weight	130 g
Color	Black

### Electrical

DC input to scanner	+5 V DC, 2A
Power outputs	1.7 Watt @ +5 V DC

### Interfaces

RS232  
KBW  
USB (HID and COM port emulation)  
Powered USB (optional)

### Scanner Characteristics

Light source	650 nm visible laser diode
Depth of field	up to 230mm@0.33mm / 13mil, PCS90% Minimum resolution supported 0.127mm
Scan pattern	6 direction scan field, 24 lines scan pattern
Scan rate	2,000 scans per second
Light level	Max 4,800 LUX
Barcode types	EAN/UPC/JAN + Add-on, ISBN, Code 128, EAN 128, Code 93, Code 39, Code 32, Codabar, Interleaved 2 of 5, MSI – Plessey, GS1 DataBar

### Environmental

Operating Temp	0°C ~ 50°C
Storage Temp	- 20°C ~ 70°C
Humidity	20% ~ 95% RH (non – condensing)
MTBF	50,000 hrs


### Safety

Laser Safety	IEC 825 –1 (1993) Class I, U.S. 21 CFR1040 Class IIa
Electrical Safety	EN 60950 second edition UL1950, c – UL (according CSA22.2.950)
Flammability Ratio	94V-0

### EM Compatibility

EN 55022	2006 + A1: 2007, Class B
EN 55024	1998 + A1: 2001 + A2: 2003
EN 61000-3-2	2006
EN 61000-3-3	1995 + A1: 2100 + A2: 2005

### Regularity of Compliance

CE, FCC and RoHs compliant 

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.