



Hand-held scanners
IDM24x / IDM240 Coded / General Purpose /
High Density

IDM240-100H



Model Name > [IDM240-100H](#)
Part No. > [6050646](#)



At a glance

- Identification of all current 1D, stacked, and 2D codes
- Reliable, secure, and fast code reading
- Compact design, light housing
- Manual operation and hands-free operation in presentation mode
- Corded and cordless variants available

Your benefits

- Only one device for a wide range of different code types
- Fast and accurate identification without manual data entry
- Simple and ergonomic operation, even in scanning-intensive applications
- Flexible application possibilities due to various operating options
- Cordless variant ensures mobility in all applications



Features

Field of application:	General Purpose
Version:	High Density
Scanner design:	2D code hand-held scanner
Light source:	Lighting LEDs: visible red light (630 nm)
Code resolution::	≥0.08 mm, ≥0.13 mm ^{1) 2)}
Reading distance:	30 mm ... 160 mm ³⁾
Scanning frequency:	60 Hz

¹⁾ Valid for Code 39 ²⁾ Valid for Data Matrix code ³⁾ For details see reading field diagram

Performance

Supported code type:	1D, 2D, Stacked
Bar code types:	Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korean Post, Dutch KIX Post, Codabar, Code 128, Code 39, Code 93, Interleaved 2 of 5, RSS, UPC/GTIN/EAN
2D code types:	Aztec, Data Matrix, MaxiCode, MicroQR-Code, QR code
Stacked code types:	Codablock, Code 16K, Code 49, Composite, MicroPDF417, PDF417

Interfaces

Serial:	✓
Function (serial):	RS-232 TTL

Ethernet:	✓
Protocol (Ethernet):	TCP/IP (optional via external connection module CDM + CMF), PROFINET (optional via external connection module CDF600-2), EtherCAT (optional via external connection module CDF600)
Remark (Ethernet):	Optional via external connection or fieldbus module
PROFIBUS DP:	✓
Remark (PROFIBUS DP):	Optional via external connection module (CDF600-2)
DeviceNet:	✓
Remark (DeviceNet):	Optional via external connection module (CDM + CMF)
PS/2:	✓
Function (PS/2):	Keyboard wedge
USB:	✓
Function (USB):	Keyboard wedge, COM-Port emulation
Bluetooth:	-
Optical indicators:	2 LEDs (operational status, good read)
Acoustic indicators:	Beeper, disengageable
Vibration:	No
Configuration software:	IDM Setup Tool

Mechanics/electronics

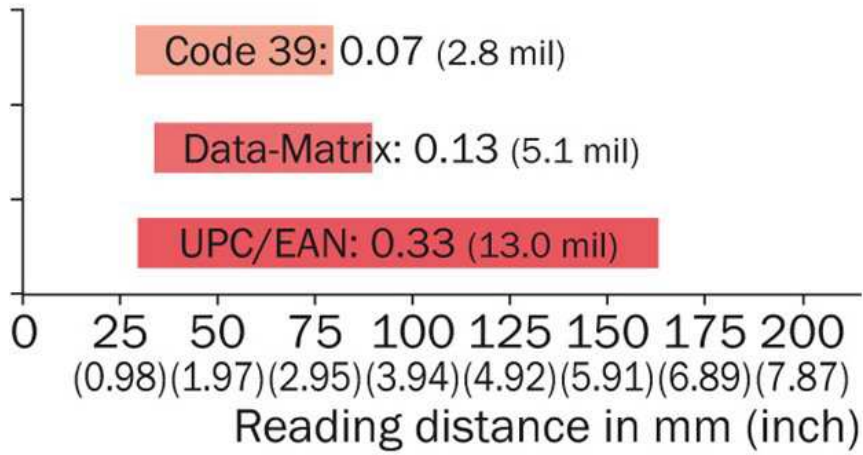
Operating voltage:	5 V DC± 5 %
Power consumption:	Operation: typ. 285 mA, Standby: typ. 160 mA
Housing color:	Gray, Black
Enclosure rating:	IP 41
Weight:	152 g, without cable
Dimensions:	95 mm x 70.5 mm x 161.7 mm

Ambient data

Ambient operating temperature:	-10 °C ... +50 °C
Storage temperature:	-40 °C ... +70 °C
Permissible relative humidity:	95 %, non-condensing
Shock resistance:	25 drops From 1.8 m height on concrete
Ambient light immunity:	100,000 lx

Reading field diagram

Code resolution in mm (mil)



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