

MS3690-2D

Lightweight programmable data terminal



Features

- Support to receive data and recharge using the base
- Use magnetic USB cable,can improve durability
- Use OLED screen,more energy-efficient and more comfortable
- Read all common 1D/2D barcodes from paper labels and electronic screens
- A SDK based on C is provided including user-friendly IDE & fully functional APIs
- Optional:Bluetooth is compatible with 4.0/3.0/2.1+EDR standard
- Optional:Wi-Fi supports Station mode and Access Point(AP) mode
- Windows and Android、 iOS
- Support database importing and querying
- Support offline storage and automatic reconnect
- Support the display in multiple languages
- Support vibration mode,ideal for both noisy and quiet envirnment

MS3690-2D Technical Specifications

Working range	Bluetooth: 30 m (line of sight), Wi-Fi: 100m (line of sight)																														
Radio link	Bluetooth: 2.4–2.5 GHz, Bluetooth 4.0/3.0/2.1+EDR, Class 2 Wi-Fi: 2.4 GHz, compliant with Wi-Fi IEEE 802.11 b/g/n protocol standards																														
Interface	Bluetooth: HID keyboard, SPP, BLE Wi-Fi: Station mode (STA), Access Point mode (AP) USB: USB HID keyboard, USB virtual COM, U Disk																														
Data storage	4MB for out of range batch:250,000 barcodes (each barcode is of 15 bytes) 8MB for data batch mode:500,000 barcodes (each barcode is of 15 bytes) 76MB for U Disk mode: 5,000,000 barcodes (each barcode is of 15 bytes)																														
Keyboard layout	USA、 Turkish F/Q、 French、 Italian、 Spanish、 Slovak、 Denmark、 Japanese、 German																														
Dimensions	Length × Width × Depth: 12.5×4.6×3.1cm																														
Weight	115 g																														
Color	Gray/Black/White/Customization																														
Case material	ABS																														
Indicator	Beeper、 LED、 Vibrator																														
Display	OLED display (128×64) with LED backlight																														
Input Voltage	5±5% V																														
Operating current	Bluetooth: 7 mA (sleeping), 80 mA (working), 450 mA (scanning) Wi-Fi: 7 mA (sleeping), 132 mA (working), 506 mA (scanning)																														
Battery	1900 mAh Lithium-ion battery Charge current:500 mA Charge time: Fully charged(>80%) in 4 hours Support computer USB interface charging																														
Standby time	7 days																														
Operating time	Bluetooth: 19 hours, Wi-Fi: 12 hours, based on 1 scan/5 seconds																														
Scan engine	ME5800																														
Image size	1280×800 pixels																														
Field angle	Horizontal: 42°, vertical: 26.5°																														
Light source	white LED, 2700K																														
Target light source	green LED, wavelength 525nm																														
Scanning angle	±70°, ±72°, ±360° (Skew、 Pitch、 Roll)																														
Barcode contrast	minimum 20%																														
Decode capability	1D: UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5 , Industrial 2 of 5 , Matrix 2 of 5 , Codabar(NW7), Code 128 , Code 93 , Code 11(USD -8), MSI/Plessey, UK/Plessey, UCC/EAN 128, China Post, GS1 DataBar(formerly RSS)variants 2D: QR code, Micro QR code, PDF417, MicroPDF417, DataMatrix, Han Xin Code, Aztec Code																														
Minimum resolution	HD: 1D: 3mil, 2D: 5mil; SR: 1D: 4mil, 2D: 6.7mil																														
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Temperature	working: -20°C to 55°C (-4°F to 131°F); storage: -40°C to 70°C (-40°F to 158°F)																														
Humidity	5% to 95% (non-condensing)																														
Safety	EMC: EN55032, EN55024 Photobiological Safety: EN62471 Electrical safety: EN60950-1 Illumination: 0~100,000LUX Protection class: IP65 Drop resistance: Multiple 1.2m(4.9ft)drops to concrete Environmental: RoHS compliant																														

Note: Bluetooth and Wi-Fi are optional (Alternative).

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