Since 1990
MARSON®

MT420
Slot Reader Module

MT420 is a durable and reliable barcode slot reader module that can be easily integrated into host system via UART / RS232/ USB interface. Both red LED version (MT420) and infrared LED version (MT420i) are available for reading ordinary barcodes and invisible barcodes. MT420 barcode slot reader module improves the ease of use of host system with its flexible swiping speed and capability of decoding all 1D barcode in the market.

Easy Integration for Slot Reader Applications

• Read all major 1D barcodes in the market
• Read ordinary barcodes and invisible barcodes
• Easy Installation and Configuration
• Support flexible swiping speed with bi-direction

Easy and Flexible Operations

• Cards of various sizes
• Interfaces : UART/RS232/USB

Optic & Performance	
Light Source	660nm visible red LED (MT420) 850nm infrared LED (MT420i)
Sensor	Photo Diode
Resolution	5mil/ 0.127mm
Print Contrast Ratio	60%
Typical D.O.F (@ 800 lux)	5 Mil Code 39 : Readable 6 Mil Code 39 : Readable 15.6 Mil EAN : Readable

Physical Characteristics	
Dimension	L90 x W22.5 x H24.5 mm
Weight	35g
Color	Black
Material	ABS
Cable	7-pin connector (UART/ RS232) 5-pin connector (USB) (pitch 1.25mm)

Electrical	
Operation Voltage	5 VDC ± 5%
Working Current	< 45mA
Standby Current	< 700mA

Connectivity	
Interface/ Profile	UART (MT420) RS232 (MT422) USB (MT425)

User Environment	
Operating Temperature	0 ~ 50˚C
Storage Temperature	-20 ~ 60˚C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.6M
Ambient Light	N/A

Regulatory	
ESD	Functional after 4KV contact, 8KV Air discharge
EMC	FCC Part 15B Class B, CE EN55022/24/32
Environmental	WEEE, RoHS 2.0

Symbologies	
1D	UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessy Code, UK Plessy Code, EAN/UCC 128, Telepen Code, IATA Code

＊All specifications are subject to change without notice.

TAIWAN EXCELLENCE GOLD AWARD 2017
TAIWAN EXCELLENCE 2016
GOOD DESIGN AWARD 2015
COMPUTEX d&i awards 2014
Golden BC AWARD