AQUILA A-8050

Omni-Directional Laser Barcode Scanner

Introduction

An aggressive, Omni-directional presentation laser barcode scanner.

AQUILA A-8050 is high performance counter scanner designed to solve the bottleneck of computing system by traditional counter scanner. The AQUILA A-8050's superior performance, reliability and durability which mean increase overall performance and values of system in retail/POS computing and enterprise system solutions.

It can delivers higher scan performance than any other counter scanner on the market. With an unequalled 1350 scans per second and a unique scan pattern of 20 scans lines. The AQUILA is the choice of every retailer who wants to optimize counter environment with a winning scanner performance and a great design!

Features

- Provides aggressive scanning in 20 omni-directional scanning lines with superior scanning performance to hand presented barcodes.

- An adjustable scan head enables users to tilt the scanner 45° for targeted scanning of products.

- Reading all common 1D barcodes, incl. GS1 DataBar, regardless of its orientation Scantech ID STAR reconstruction software for reading of fragmented and damaged barcodes.

- IP42 sealing protection.

- With its auto-sense function can save power and improve lifespan time.

- A built-in RF EAS antenna increases efficiency by simultaneously deactivating RF EAS tags and decoding barcodes.

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Specification

● Physical Characteristics

Weight(Body weight)	Approx. 14 oz (400g)	
Material	ABS Plastic	
Dimensions	Depth Upper	84.5mm/3.33inch
	Depth Bottom	100mm/3.94 inch
	Width	116mm/4.56inch
	Height	164mm/6.46inch

● Electrical Characteristics

Power Supply	USB version: USB 5V@0.5A RS232 version: Power adapter 5V@2A
Power Consumption	1520mW (340mA@5V)
Interfaces	RS-232 / USB (HID, Virtual COM)

● Performance

Light Source	Visible red light 650nm 650 ± 10 nm Laser diode
Depth of field	Up to 240 mm@0.33mm/13mil,PCS 90 Code39
Scan pattern	5 direction scan field, 20 lines scan pattern, Single Line option
Scan Rate	1350 scans / second
Indicator	Speaker and LED (Standby Red, Good read Green)
Resolution	4mil/0.1mm
Barcode types	Automatically discriminates major standard 1D bar codes include GS1 Databar family, Omni-directional, Expanded and Limited codes.
EAS	EAS compatible (Standard)

● Environmental

Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage temperature	-20 °C to 60°C (-4 °F to 140°F)
Relative Humidity	20% to 95% (Non-condensing)
Ambient light	Up to max 4,800 Lux.
Sealing	Designed to IP42 water and dust protection

● Reliability

MTBF(Calculated)	50,000 hours
Safety	Laser Safety IEC 825-1 Class I, U.S. CDRH: 21CFR1040 Class II a Electrical Safety EN 60950 second edition
EM Compatibility	Radio and TV Interference EN 55024/22, FCC Part 15 class B, CNS 13438
Certificate	CE/FCC and RoHs compliant

Due to Champtek´s continuing product improvement programs, specifications and features are subjected to change without prior notices.