

Light Weight Mobile Solution



8100 SERIES



- Programmable in : BASIC, C & Application Generator
- 1MB program memory +256KB data memory
- Ideal for Light Duty Inventory Application
- 4~6 Channel auto-switching architecture
- 16 bases and up to 99 portable terminals in one system
- Better line-of-sight, up to 1,000 Mtrs

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Specifications

RF Terminals

	8110 (433 MHz)	8150 (2.4 GHz)
• Frequency:	433.12~434.62 MHz	2.4000~2.4835 GHz
• Modulation:	FSK	Direct FM
• Data Rate:	9600 bps	19200 bps
• Channels:	4	6
• Output Power:	10mW	100mW
• Coverage:	200M line-of-sight	1,000M line-of-sight

BASE Station

	3510 (433 MHz)	3550 (2.4 GHz)
• Frequency:	433.12~434.62 MHz	2.4000~2.4835 GHz
• Interface:	RS232	RS232
• Baud Rate:	115,200 bps	115,200 bps
• Base to Base:	RS485	RS485
• Maximum Bases/System:	16	16
• Maximum Terminals/Base:	15	99
• Maximum Terminals/System:	45	99
• Output Power:	10mW	100mW
• Coverage:	200M line-of-sight	1,000M line-of-sight

System

- Auto Roaming or Fixed Channel Selectable
- Single or Multi-channel Selectable
- Multiple Bases Supported
- Tuneable Power Output (from -5dBm to 10dBm)
- Can Be Connected to Ethernet Network (with cipherlab 350)
- Can Be Connected to USB Port (with cipherlab 308)

Accessories

RS-232 cable, Cradle, RF base station, Battery Charger
Rechargeable Battery Pack

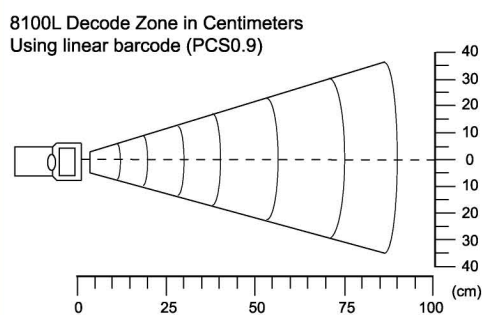
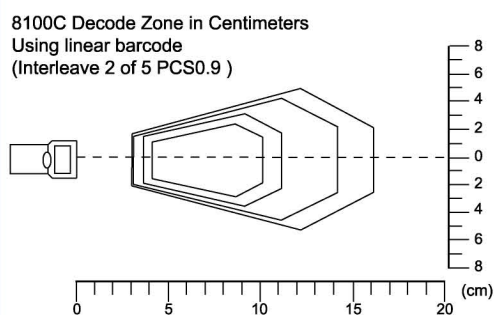
Safety & Regulatory Approvals

FCC calss-A, CE, C-tick

Interface

RS232:	Transmission speed up to 115.2k bps
IrDA:	Standard 1.0 Compatible, up to 115.2k bps
High Speed IR:	Up to 115.2k bps transmission rate

Reading Performance



Power

Operation battery:	Two AAA size removable / rechargeable
Backup battery:	3.0V, 7.0mAh, rechargeable Lithium
Operating hour:	Over 20 hours (with Alkaline batteries)

Dimensions

Size:	145mm (L) x 63mm (W) x 42mm (H)
Weight:	210g (including batteries)

General Characteristics

CPU:	16-bit CMOS, low power consumption
Program memory:	1MB flash memory
Data memory:	256KB SRAM
Display:	128X64 graphic dots FSTN with LED back-lit
Keypad:	21 rubber keys

Indicator

Buzzer:	Programmable, 1KHz to 4KHz
LED:	Dual-color, green and red

Programming Language

"C", BASIC, and a Windows-based Application Generator

Laser Scanner (8100L)

Light source:	Visible Laser diode operating at 670±15nm
Scan rate:	36 ± 3 scans/sec
Scan angle:	42° ± nominal
Reading range:	5cm ~ 95cm, depends on barcode resolution

CCD Scanner (8100C)

Resolution:	0.125mm (5mil) ~ 1.00mm (40mil)
Reading range:	6 cm~13 cm
Scan rate:	100 scans/sec

Environmental

Operating Temperature:	-20° C to 60° C
Storage Temperature:	-30° C to 70° C
Humidity:	Non-condensed 5% to 95%
Shock resistance:	1.2m drops onto concrete

Warranty

1 Year



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