OPTICON

OPL-9713
Quick Start Guide

Introduction

- **Read this quick start guide carefully before installing and/or using this product.**
- **Keep this quick start guide for future reference and store in a safe place.**
- **The OPL-9713 is a laser data collector with a GPS feature. The GPS feature makes it possible to add location data and a time stamp to scanned barcode data.**

Notice

- This quick start guide may be revised or withdrawn at any time without prior notice.
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⚠ Caution and Warning (Please refer to the specification manual and instruction guide for details.)

1. Laser Safety
- Do not stare into the laser beam.

2. Handling Instructions
【OPL-9713】
- Do not attempt to disassemble, modify or update this device.
- Operating the scanner while operating machinery or a vehicle can be distracting.
- Do not drop this product or put heavy items on this product.
- Do not insert foreign substances into the device.
- Do not use this product in the following areas:
  - In areas exposed to direct sunlight for long periods of time.
  - In dusty environments.
  - Near water or other liquids, or in extremely high humidity.
  - Near heat sources, such as radiators, heat registers, stoves, or other types of devices that produce heat.
  - Near microwaves, medical devices, or low-power radio stations.
- When cleaning this product, rub gently with either a soft dry cloth or a damp cloth with mild detergent.

【Battery】
- Do not attempt to disassemble the battery.
- Do not expose the battery to heat sources including other devices that produce heat.
- Do not short the power leads on the battery. If the (+) and (-) terminals come in contact with metals (such as a necklace or hairpin), a short-circuit will occur.
- Do not load the battery with the (+) and (-) terminals reversed.
- If you come into contact with material from a leaking battery, take the following actions:
  - If the material gets into the eyes, do not rub. Immediately flush the eyes with clean water and seek medical attention.
  - If the material comes into contact with the skin or clothes, immediately rinse the affected area with clean water. Consult your physician if inflammation or soreness develops.
- Check local regulations for proper battery disposal.

Before Getting Started

■ What's in the Box

Confirm that you have the following items before getting started:

No.	Item	Function
1	Data Collector	A laser barcode collector with a barcode scanning feature.
2	Lithium-ion Battery Pack	Designated battery pack for the OPL-9713.
3	Strap	
4	Quick Start Guide	Provides product information and instruction guide.

* The number of accessories may differ depending on the product specification.
 Please contact the nearest dealer if accessories are damaged or missing.

Overview

■ OPL-9713 Basic Specifications

Parameter		Specifications
Physical Features	Size	(H) 129 × (W) 44 × (D) 26 mm Max
	Weight	110g Max (excluding batteries)
	Color	Light gray
Control Section	CPU	16-bit CPU
	Clock Frequency	14.74MHz
External Memory	FLASH ROM	512KB for BIOS and AP (2MB flash memory is optionally available)
	SRAM	512kB (for WORK and DATA)
Display Section	LED	Tri-color LED (Blue, Red and Green)
	Buzzer	Loudness : 75dBA or higher
Operation Section	Keys	1 Key
Scanning Section	Light Source	Red laser diode
	Wavelength / Output	650 ± 10nm / 1mW or less
	Scan Rate	100 scans / sec
	Supported Symbologies	JAN/UPC/EAN (WPC), Codabar/NW-7, Code 39, Code 93, Code 128, Industrial 2of5, Interleaved 2of5
Power Supply Section	Main Battery	Lithium-ion secondary battery（600mA)
	Backup Battery	Lithium-ion secondary battery（3.4mA）
	Operating Time	50 hours or longer
	Data Retention Time	7 hours or longer (with GPS operations)
Clock Section	Real Time Clock (RTC)	Supports year, month, day, hour, minute. (Leap year supported.)
Comm. Section	IrDA	Specification : IrDA Ver1.2 Low Power
		Baud rate : 2400bps to 115.2kbps
	GPS	GPS Module : SIRF GSC3 Chip
		Reception Frequency : 1575.42 MHz
		Channels : 20 Max
		Antenna : Patch antenna (20 mm x 20 mm)
Durability	Operating Temp.	0 deg. C to 40 deg. C
	Operating Humidity	20% to 85% (non-condensing)
	Storage Temp.	-20 deg. C to 60 deg. C
	Storage Humidity	20% to 90% (non-condensing)
	Charging Temp.	0 deg. C to 40 deg. C
	Dust- and Drip-proof	IP54
	Shock	Dropped 3 times onto concrete from a height of 150 cm with no defects found.

■ Detailed View
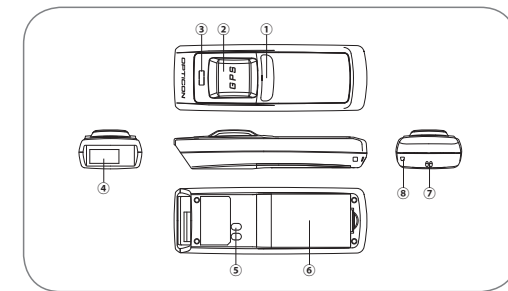
No.	Part	Function
①	Scan Key	Starts a barcode scanning operation.
②	GPS Antenna	Receives information from a GPS satellite and calculates a position solution.
③	Status LED (Blue, Red and Green)	Alerts users to the status of the scanning operation and data communication.
④	Optical Window	The scan engine emits a laser beam through the optical window while scanning a barcode.
⑤	Charging Terminals	Electrical terminals for power distribution and power management.
⑥	Battery Cover	Protects the battery pack.
⑦	Buzzer Hole	
⑧	Strap Hook	

Memo

TTFF (Time To First Fix)

TTFF is the time required for a GPS receiver to acquire satellite signals and navigation data, and calculate a position solution.

The TTFF for the OPL-9713 is as follows:

Hot Start	1 sec.
Warm Start	38 sec.
Cold Start	42 sec.

Designated Cradle (Optional)

Communication & Charging Cradle
CRD-9723
RS-232C   USB

Communication Method (Cradle to Host)	Communicates with the host via RS-232C or USB interface.
Size	(H) 67.5 × (W) 71.5 × (D) 98.5 mm Max
Weight	85g Max (excluding AC adapter and cable)
Charging Time	3.5 hours

■ Line-up of CRD-9723 series:
- single-bay cradle (1 x charging, 1 x communication)
- multi-bay cradle (5 x charging, 1 x communication)
- multi-bay cradle (5 x charging, 5 x communication)

■ Charging Cradle CRD-9722:
- single-bay cradle (1 x charging, no communication)

* To connect the cradle to a host using a dedicated USB cable, you must first install a dedicated USB driver on the host.
* Please refer to the specification manual or the instruction guide for details of designated cradles.

Contact

Please contact OPTICON or your local dealer.

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More product details, additional support, and configuration options (from the Universal Menu Book) are available at **www.opticon.com**.