

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- This quick start guide may be revised or withdrawn at any time without prior notice.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.)

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

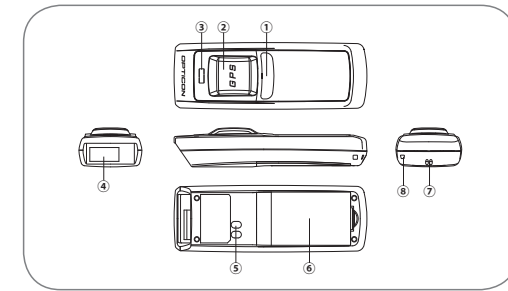
* The number of accessories may differ depending on the product specification. Please contact the nearest dealer if accessories are damaged or missing.

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 512 KB 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 scan / sec
	Supported Symbologies JAN/UPC/EAN (WPC), Codabar/NW-7, Code 39, Code 93, Code 128, Industrial 2of5, Interleaved 2of5
	Power Supply Section
Power Supply Section	Main Battery Lithium-ion secondary battery (600mA)
	Backup Battery Lithium-ion secondary battery (3.4mA)
Clock Section	Operating Time 50 hours or longer
	Data Retention Time 7 hours or longer (with GPS operations)
Comm. Section	Real Time Clock (RTC) Supports year, month, day, hour, minute. (Leap year supported.)
	IrDA
GPS	
	GPS Module : SIRF GSC3 Chip
	Reception Frequency : 1575.42 MHz
	Channels : 20 Max
Durability	Antenna : Patch antenna (20 mm x 20 mm)
	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	



TTF (Time To First Fix)

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

The TTF 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)

* 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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