

# Spezifikationen / OPL 9728

## Electrical specifications

Main battery pack	Li-Ion rechargeable 3,7 V / nom. 600 mAh
Main battery pack operating time	When making every 5 seconds 1 scan with Backlight OFF, 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 45 hours
Main battery condition	Different operation conditions affect the operating time
Backup battery	Lithium rechargeable 3,5 mAh
Backup battery operating time	> 1 week backup
Battery management	When battery is low the data collector switches off automatically.
Charging method	The main battery in data collector will be charged through the cradle. The backup battery will be charged by the main battery.

## Optical specifications

Light source	650 nm visible laser diode
Scan method	vibrating mirror
Target indicator	100 scans/sec
Decode rate	100 decodes/sec
Reading angle	effective 44°
Reading pitch angle	+8 - +50° / -8 - -50°
Reading skew angle	± 35°
Reading rotation angle	20°
Reading width	45 - 320 mm, depending on reading distance and bar code label resolution
Min. Resolution at PCS 0.9	0.15 mm (6mil)
Min. PCS value	0.45
Depth of field	60 - 900 mm (UPC PCS0.9, resolution 1.00), 35 - 210 mm (UPC PCS0.9, resolution 0.5), 35 - 120 mm (UPC PCS0.9, resolution 0.25), 35 - 70 mm (UPC PCS0.9, resolution 0.15)

## Identification

Supported 2D code symbologies	Chinese Post - Codabar incl. ABC and CX - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - EAN-128 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - ISBN - ISSN - Matrix 2of5 - MSI/Plessey - UK/Plessey - RSS-14 - RSS Limited - RSS Expanded - Telepen - UPC-A incl. +2,+5 - UPC-E incl. +2,+5
Optional symbologies	MicroPDF417 - PDF417 (if supported in application)

## Functionality

Memory FlashROM	512 kB (O/S and program)
Memory RAM	512 kB (data storage) / optional 1MB
Microprocessor	16-bit
Real time clock	Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
Display	112x64 Pixels graphic LCD
Character fonts	min. 4 lines x 14 characters, max. 10 lines x 18 characters
Keyboard	18 keys total
Keyboard function keys	2 function keys
Keyboard mode	Alpha/Numeric mode
Programming	Functionality is provided by user application.
Transmission speed IrDA	baudrate: 2400 - 115200 bps

## Environmental specifications

Temperature in operation	-5 - +40 °C
Temperature in storage	-20 - +60 °C
Humidity in operation	20 - 80 % (non condensing)
Humidity in storage	20 - 90 % (non condensing)
Ambient fluorescent light rejection	3.000 lux max
Ambient white light rejection	3.000 lux max
Ambient direct sun light rejection	50.000 lux max
Shock drop test	1.5 m drop onto concrete surface
Shock vibration test	12 - 100 Hz with 2G for 1 hour

## Physical specifications

Dimensions	(l x w x d) 129 x 44 x 22.3 mm
Case material	ABS
Weight body	ca. 100 g

## Regulatory

Laser safety class	IE C825, Class I laserproduct
EMC	EN 55022, EN 55024