



PT30 Omura
mobile computers

Features

Powerful scanning performance.

With the PT30 Omura, you can count on a high performance 1D/2D scan engine. The scan engine is patented by Newland and delivers fast and accurate scanning of a wide variety of barcodes.

Reliable wireless connectivity.

With 802.11 b/g WIFI and Bluetooth, the PT30 Omura provides your workforce with the mobility and connection they need to work fast and fuss-free.

Extended battery life.

The PT30 Omura is equipped with a 3500mAh battery that provides up to 11 hours of life on the go.

Ergonomic and durable design.

The ergonomic design of the PT30 Omura optimizes single-handed use and brings all day comfort to your operations. With a 1.2 drop rating the device keeps on working despite inevitable drops and bumps, while a sealing of IP54 protects it from dust and moisture.

Charging and communication cradle included.

Current models released.

PT3051-3A-C: 1D CCD + cradle PT3051-2A-C: 2D CMOS + cradle
PT3051-0A-C: 1D Laser + cradle

Application Scenarios



PT30 Omura technical specifications

Performance	Operating System	CE.NET 6.0
	Processor	Marvell XScale PXA310, 806MHz CPU
	Memory RAM	256MB
	Memory Flash	4GB
	Memory Storage Expansion (Max.)	Micro SD card (max. 32GB)
	Image Sensor	CMOS 752*480
	Illumination	Red LED(625±10 nm)
	Aiming	Green LED
	Depth of Field Data Matrix (10mil)	45-145mm
	Depth of Field QR (15mil)	50-175mm
	Minimal Print Contrast	0.3
	Scan Angle Roll	360°
	Scan Angle Pitch	±60°
	Scan Angle Skew	±60°
	Field of View Horizontal	36°
	Field of View Vertical	23°
	Scan Modes	Trigger,Sense
	Scan Rate	60 frames per second
	Data capture	1D
2D		PDF417, QR Code, Data Matrix, Maxicode, Aztec, etc.
Physical	Dimensions (mm)	189.5 (L) ×76(W) ×45(H) mm
	Weight	382g (including battery)
	Material	PC, ABS
	Display	2.83" QVGA
	Touch panel	Backlight TFT Touch screen LCD
	Keypad	30 keys with backlight
	Buttons	SCAN key,TOOL key,Backlight key,ALPHA key,FUNC key,Power key,SHIFT key,Reset key
	Interfaces	Mini USB
	Battery Type	3.7V, 3500mAh
	Expected Battery Life	11 hours (1 scan per second, transfer data via WiFi)
	Expected Charge Time	3.5 hours (charge via AC adapter)
	Backup Battery	3.7V, 150mAh
	Notifications	Vibrator, speaker and multi-color LEDs
	Power Supply Input	DC5V, 1.5A
	Power Supply Output	AC100~240V, 50~60Hz
	Audio	√/√
Expansion Slot	Micro SD card (max. 32GB)	
Environmental	Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
	Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
	Humidity	5% to 95% (non-condensing)
	Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
	Drop	1.2m
	Sealing	IP54
Wireless	WLAN Radio	802.11 b/g, security supports EAP, WEP, WPA, WPA2, 802.1X
	WPAN Radio	Bluetooth Class II V2.0
Accessories	Optional	Cradle, stylus
	Standard	Battery, AC adapter, USB cable
Certifications	Certifications	FCC Part15 Class B, CE EMC Class B, CCC,RoHS,EN60950