

Zypad



FEATURES

User Friendly operating system – the WL 1000 can be supplied with Windows CE 5.0 or Linux to virtually meet all the needs of developers and users.

Ergonomic Design – designed to comfortably fit the user's wrist for hands free operation.

Wireless Radio Design – integrated PAN (Bluetooth) and LAN (IEEE 802.11 b/g).

Integrated GPS receiver and antenna – information regarding current location can be displayed as well as transmitted to a host computer.

Tilt and dead reckoning system – anytime, anywhere tracking of the user to detect if the operator has been motionless for a specified amount of time. In this case a location beacon can be transmitted to the remote server.

Multiple I/O – integrated USB Device and USB Master port.

320 x 240 (1/4 VGA) 256k Colour High Visibility Display with Touch Screen and Automatic Contrast Adjustment – optimal operator interface to view data and images.

High Performance CPU and Memory System – complex applications can be run on the device.

Enhanced Power Management – based on Li-Ion cells, allows maximum operating time, saving energy when the computer is not in use (patented).

Zypad WL 1000 wrist-worn personal computer is a powerful computer designed to be worn comfortably on the user's wrist.

Zypad WL 1000 was conceived and designed to be as flexible as possible to maximize its potential applications. It is of special interest to the Emergency services, Security, Defence, Healthcare, Maintenance, and Logistics. In fact, Zypad WL 1000 is an essential tool in any field where hands-free access to large amounts of information is a necessity.

The Zypad WL 1000 exemplifies the concept of ubiquitous computing by integrating all the power and capabilities offered by a full size PC within an extremely versatile device.

The design allows flexible, ergonomic positioning and fastens easily to the wrist, even over the user's clothes, thus ensuring ideal weight distribution and maximum comfort.

With Zypad WL 1000 information can be shared and services can be accessed regardless of location. It can be quickly configured to access any remote host system through its integrated wired or wireless interfaces using either the Linux and Windows CE operating systems.

The system integrates the latest and most innovative features such as a patented tilt and dead reckoning system. It can detect if the operator has been motionless for a specified amount of time by transmitting a location beacon, enabling quick location of the user.

The tilt and dead reckoning system also detects the position of the user's arm and converts the system to standby mode when the arm is relaxed next to the body.

For more information on Eurotech wearable computers and accessories, please visit our website: www.zypad.com.



System Architecture

PROCESSOR:	AU 1100 @ 400 MHz
MEMORY:	Up to 64 MB Non Volatile FLASH 64 MB RAM
DISPLAY:	320 x 240 pixels (1/4 VGA) 256K Colour 3.5" TFT with Touch screen, Automatic contrast adjustable via ambient light sensor
LED:	Charge LED WLAN Activity LED WPAN Activity LED
AUDIO:	Integrated
I/O:	USB Device USB Master Audio Jack Speaker and Microphone
WPAN:	Bluetooth Class 2 (up to 10 meters)
WLAN:	Integrated IEEE 802.11b/g with internal antenna
WWAN:	External via Bluetooth
GPS:	Integrated with internal antenna
OTHER DEVICES:	Accelerometer for a Tilt and Dead Reckoning System: to determine whether the user is in motion or not (GPS supplies the position)
EXPANSION SLOTS:	User accessible Mini SD
KEYBOARD:	11 keys with backlight
POWER:	3.6 V 2200 mAh Li-Ion Interchangeable Battery Pack Advanced power management feature
BATTERY CHARGING:	External universal power supply Multiple battery charger USB cable to connect to a PC Car cigarette lighter power supply adapter
PEN DEVICE:	Integrated stylus connected to the strap
OPERATING SYSTEM:	WINDOWS CE 5.0 LINUX based on Kernel 2.6
APPLICATION DEVELOPMENT SYSTEM:	WIN CE: Microsoft Platform Builder & Eurotech SDK for CE LINUX: Eurotech SDK for Kernel Linux 2.6
OPERATING TEMPERATURE:	-10°C ÷ +50°C
STORAGE TEMPERATURE:	-20°C ÷ +50°C
HUMIDITY:	95% relative humidity non condensing
ENVIRONMENTAL:	Waterproof
REGULATORY APPROVALS:	USA/CANADA - R&TTE
WEIGHT:	290 gr (battery and wristband included)

Accessories

BATTERY CHARGING:	Universal Power Supply Multiple Battery Pack charger Vehicle (cigarette lighter) Battery Charger
DISPLAY PROTECTION:	Display Protective Film pack
CABLES:	USB Device and USB Master cables
AUDIO:	Earphone (wired) Bluetooth Earphone (wireless)

"Specifications and features subject to change without notice"

