

Zypad

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WL 1000 Wearable Computer



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 positioning system: anytime, anywhere tracking of the user.

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. Under these circumstances 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 Adjust: a huge amount of data as well as images can be displayed.

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

Enhanced Power Management. Based on Li-Ion cells, allow my maximum operating time, saving energy when the operator does not use the computer (patented).

Zypad WL 1000 WWPC (Wrist Worn Personal Computer) is only a little larger than your watch, but this incredibly small size disguises its potential: in fact it has the same power of as desktop computer and yet designed to be worn comfortably on the users wrist. The concept has been realised by the design engineers of Eurotech.

From its original concept the Eurotech Wrist Wearable PC has been designed to be as flexible as possible to maximize its potential application areas. It will be of special interest to the Emergency services, Security, Defence, Healthcare, Maintenance, Logistics, in fact any area where hands-free access to large amounts information is a necessity.

The WWPC solidifies the concept of ubiquitous computing by integrating all the power and capabilities expected from a full size PC within an extremely versatile device.

The design allows for flexible ergonomic positioning and easy fastening to the wrist, even over the users work clothes, thus insuring ideal weight distribution and maximum comfort.

With it information can be shared and services can be accessed regardless of location.

By design it can be quickly configured to access any remote host system through its integrated wired or wireless interfaces using either the Linux® and WinCE® operating systems.

The system integrates newly patented innovative features such as a tilt and dead reckoning system - that can be used to detect if the operator has been motionless for a specified amount of time and under these circumstances a location beacon can be transmitted to enable quick location of the user - and a system that detects the position of the user's arm and puts the system into standby mode when the arm is hanging down beside the body.

To learn more on wearable computers, visit at www.eurotech.com/wearable.



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WL 1000 Specifications



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 adjust via ambient light sensor
LED	Charge LED WLAN Activity LED WPAN Activity LED
AUDIO	Integrated
I/O	USB Device USB Master Audio Jack Stereo
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: allows to determine whether or not the user is moving or fallen down (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 Automatic power save when the computer is not in use (position sensor)
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	Meets IP 54 (NEMA4) specifications
REGULATORY APPROVALS	USA/CANADA - R&TTE
WEIGHT	290 gr (battery included)



designed by
Lineaguida

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 (cabled) Bluetooth Earphone (wireless)