

# ZYPAD



**HIGH  
PERFORMANCE  
CPU AND MEMORY  
SYSTEM**



## FEATURES

**User Friendly operating system.** The WL 1100 can be supplied with Windows CE 6.0 or Linux.

**Ergonomic Design.** Designed to comfortably fit the user's wrist for hands free operations.

**Wireless Radio Design.** Integrated PAN (Bluetooth) and LAN (IEEE 802.11 b/g).

**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 ports.

**320x240 (1/4 VGA) High Visibility 65k Color Display with Touch Screen and Automatic Contrast Adjust.** The user comfortably views data and images.

**High Performance CPU and Memory System: 128MB Flash and 128MB RAM.** Even complex applications can be run on the device.

**Enhanced Power Management.** Based on Li-Ion cells, allows maximum operating time and saves energy when the operator does not use the computer (patented).

**GPS.** The integrated receiver and antenna allow the users to easily take advantage of a navigation system and to geographically reference the data sent over the wireless network.

The ZYPAD WL 1100 Wrist Worn Personal Computer is a powerful computing device designed to be worn comfortably on the user's wrist for hands-free operation.

The wearability and hands-free operation of the ZYPAD prevents it from being dropped while in use and overcomes the physical limitations associated with normal hand-held computers.

From its original concept the ZYPAD WL 1100 has been designed to be as flexible as possible maximizing its potential application areas. The ZYPAD's light-weight, versatile and completely hands-free convenience makes it of special interest to Logistics, Emergency Services, Security, Defense, Healthcare, Maintenance and any area where hands-free access to large amounts of information is necessary.

The ZYPAD WL 1100 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 arm, even over the users work clothes, thus ensuring ideal weight distribution and maximum comfort.

The ZYPAD WL 1100 can be quickly configured to access any remote host system through its integrated wired or wireless interfaces using either Linux and Windows CE operating systems. Information can be shared and services accessed regardless of location.

The system integrates the latest and most innovative features such as a tilt and dead reckoning system which detects the position of the user's arm and sets the system to standby mode when the arm is hanging down beside the body.

For more information on Eurotech wearable computers and accessories, please visit our website: [www.zypad.com](http://www.zypad.com).



## System Architecture

PROCESSOR	PXA270@400MHz
MEMORY	128MB RAM - 128MB Non Volatile Flash
DISPLAY	320x240 pixels (1/4 VGA) 65K Color 3.5" TFT with Touch Screen Automatic contrast adjust via ambient light sensor
LED	1 Power On / Charge LED 1 WLAN Activity LED 1 WPAN Activity LED
AUDIO	Integrated
I/O	1 USB Client 1 USB Host Audio Jack In/Out
WPAN	Bluetooth Class 2 v1.2 (up to 10 meter)
WLAN	Integrated IEEE 802.11b/g with internal antenna
WWAN	External via Bluetooth
GPS	Integrated receiver (SIRFstarIII) and antenna
OTHER DEVICES	Accelerometer (linear)
EXPANSION SLOTS	1 user accessible Mini SD
KEYBOARD	11 keys – backlight
POWER	3.6 V 2200mAh Li-Ion Interchangeable Battery Pack Advanced Power Management Features (patented)
BATTERY CHARGING	External universal power supply Multiple battery charger USB cable connected to a PC Via car cigarette lighter power supply
PEN DEVICE	Integrated stylus connected to the device
OPERATING SYSTEM	Windows CE 6.0 Linux based on Kernel 2.6
APPLICATION DEVELOPMENT	Windows: Microsoft Platform Builder & EuroTech SDK for CE Linux: Eurotech SDK for Kernel Linux 2.6
OPERATING TEMPERATURE	-10°C to +50°C
STORAGE TEMPERATURE	-20°C to +50°C
HUMIDITY	95% relative humidity non condensing
ENVIRONMENTAL	Water Resistant
REGULATORY APPROVALS	USA/CANADA - R&TTE
WEIGHT	290g (battery included)

## Accessories

BATTERY CHARGING	Universal Power Supply Multiple Battery Charger Vehicle (cigarette lighter) Battery Charger
DISPLAY PROTECTION	Display Protective Film pack
CABLES	USB Host cable Y-USB client cable (USB + Power)
AUDIO	Headset (cabled) Bluetooth Headset (wireless)

## WL11XX Models

	Wi-Fi	Bluetooth	GPS	RFID	ZigBee
<b>WL1100</b>	•	•	•		
WL1110	•	•		•	
WL1120	•		•		•
WL1130	•	•			

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