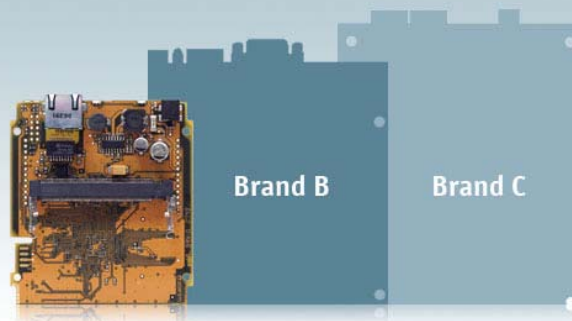


## WILIBOX CPU Board WBD-111



WILIBOARD WBD-111 is the smallest and fastest multi-function wireless platform on the market, passing up to 94 Mbit real TCP throughput. The WBD-111 is designed to fit into a standard aluminum profile enclosure (86 mm) to work as a quick time-to-market solution for a variety of applications ranging from WISP customer premise equipment, 3G routers, WiMAX customer premise equipment, point-to-point and point-to-multipoint wireless bridges, wireless mesh repeaters and 802.11 access points. A groundbreaking 400 MIPS ARM920 RISC processor with separate embedded MMU and 8K/16K data/instruction cache powers the WBD-111. It also has 8 MB flash and 32 MB RAM memory size.

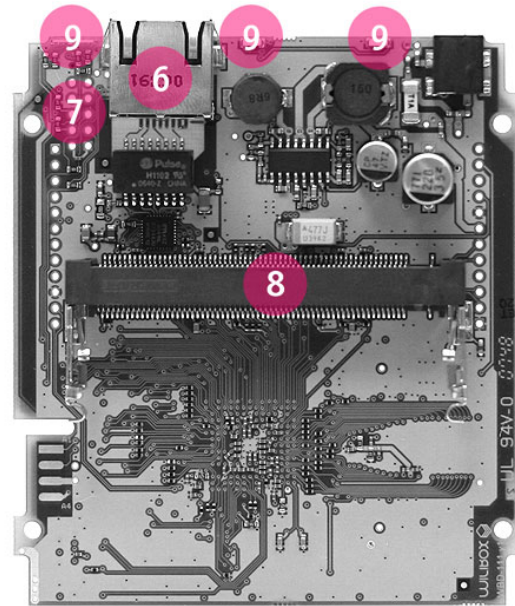
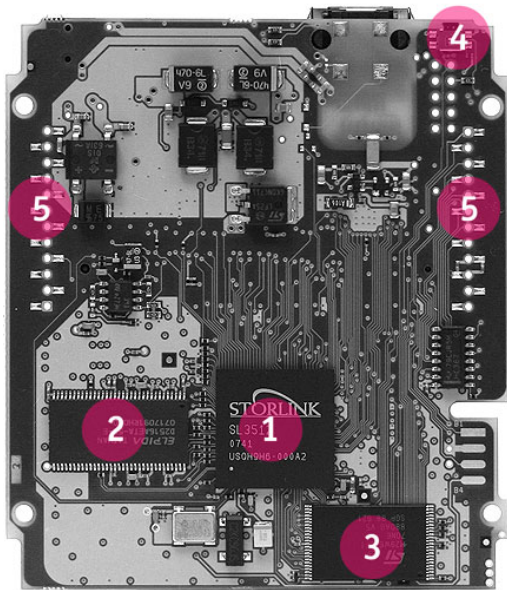
Smallest and lightest CPU  
board with the most  
flexible software platform  
available on the market



In addition, the WBD-111 is designed to work in an outdoor environment with carrier grade IEC 61000-4-2 (ESD)  $\pm 15$  kV (air),  $\pm 8$  kV (contact) and IEC 61000-4-4 (EFT) 40 A (5/50 ns) protection, fuse protection, polarity-independent POE, as well as on-board overvoltage and overheating protection. The WBD-111 features detachable LED and reset connectors, enabling easy integration into a variety of outdoor enclosures. Two out of the four LEDs are used to indicate power and LAN connectivity, and the other two are programmable (2 color) LEDs that can be adapted to various monitoring attributes, e.g. signal strength indication. Low power consumption (1.8W in idle mode only) and wide input voltage range (from 9V to 24V) makes the platform suitable for solar and wind-powered devices. All of these features combined into a single, compact package that is loaded with the latest expansion technologies to accommodate future hardware needs, makes the WBD-111 stand out from the crowd and present itself as one of the best wireless solutions currently available on the market.



# WILIBOX CPU Board WBD-111



1. 300MHz ARM920 CPU
2. 32 Mbytes DDR RAM
3. 8 Mbytes Flash
4. Software reset button
5. GPIO pins on jumper, TTL level serial port + daughter board option

6. 10/100 Base-TX Ethernet Port, ESD  $\pm 15$  kV (air),  $\pm 8$  kV (contact) protection
7. Jumpers for external LED's and reset button (optional)
8. Type III Mini-PCI socket, 3.3V up to 5W power
9. Programmable LED's

## Specifications

### Electrical

Input voltage	9-24 VDC
Operating current	0.15A Typical @ 12VDC

### Mechanical

Dimensions	91mm X 81mm X 18mm
Weight	55 g

### Environmental

#### Operating parameters

Temperature	-25°C to +65°C
Humidity	20% to 90% (non condensing)

#### Storage parameters

Temperature	-40°C to +85°C
Humidity	5% to 95% (non condensing)



WBD-111 is Firmware Factory compatible and customers can have their own firmware images created in an online firmware factory. Rebrand and reconfigure your GUI and configuration files, go online, load them on an online firmware factory mechanism and have your firmware built in a few minutes.