



## Features

- TI ARM Cortex-A8, AM3517 600Mhz,
- Supports 12V DC input and PoE (802.3af)
- 256MB DDR2 and SD socket for expansion
- Resistive touch panel (4-wires) and capacitive touch interface via USB
- Supports the embedded I/O as COM, I<sup>2</sup>C, USB-OTG, Audio and Ethernet
- Supports Mini PCI-E (only USB signal) for wireless connectivity

## System

Form Factor	Disk-Size SBC
CPU	TI Cortex™-A8 AM3517 600MHz,
System Memory	256MB DDR2 on board
Data Memory	SD socket (up to 32GB)
Display	TTL up to 1280 x 720
Video Codec	N/A
LAN	10/100 Base-T fast Ethernet w/ PoE (802.3af)
Touch	Four wires resistive touch IC for RTP USB headers for CPT
Audio	Audio pin header (1x microphone, 2x speaker)
RTC	N/A
Watchdog	256 Levels
NVRAM	N/A
Edge I/O	1x Fast Ethernet w/ PoE (RJ45 connector) 1x USB Type-A 1x USB_OTG 1x RS-232 port (RJ45 connector) 1x SD slot 1x Reset button
Headers & Expansion Slots	1x TTL connector 1x Debug port header 1x Audio pin header set (1x microphone, 2x speaker) 1x I <sup>2</sup> C connector (reserved) 1x Battery: BR2032 with socket 1x 4 wire resistive touch header Slots: 1x Full-size Mini PCI-E(x1) with USB signal only
Dimensions	131mm x 160mm (5.16" x 6.3")
Power	12V DC-in / PoE

Operating Temperature	0°C~ 50°C (32°F ~ 122°F)
Devices	WiFi/BT/3G module (option)
Software Support	Android 2.3/ Linux kernel V3.0 / WinCE 6.0
Relative Humidity	10%~90% (non-condensing)
Certification	CE/FCC Class A

## Ordering Information

IB100-MRS	RISC, TI AM3517 CPU (Cortex-A8, 600MHz), w/256M DDR2 Memory, 512MB NAND flash, Single CH TTL, Mini PCI-E (with USB function only)
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