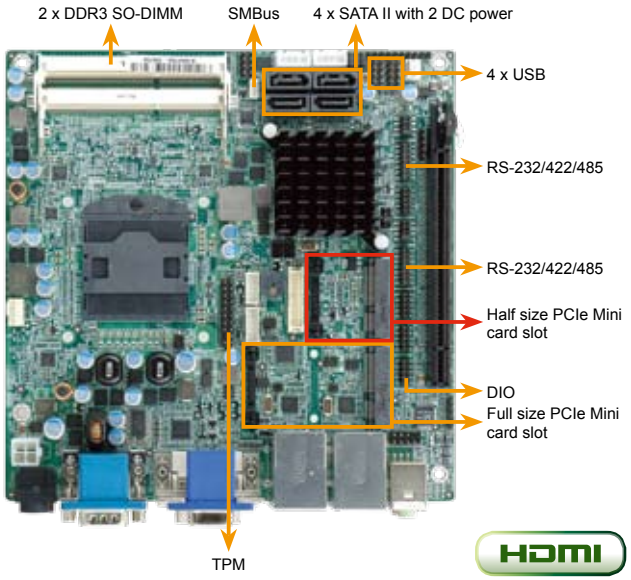
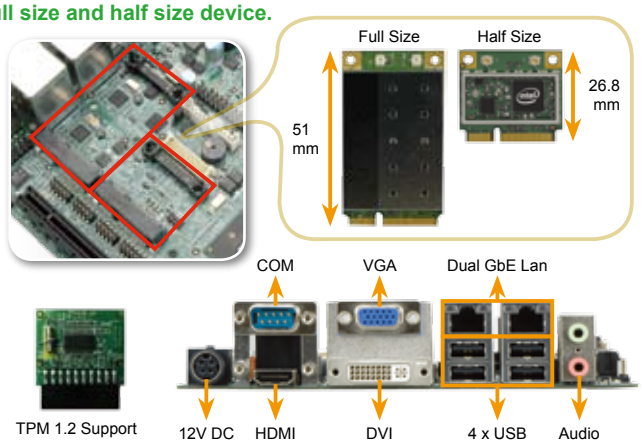
KINO-HM551

Mini-ITX SBC with Socket G for Intel® mobile Core™ i7/ i5/ i3 and Celeron® CPU, VGA/DVI/LVDS/HDMI, Dual PCIe GbE, USB 2.0, Dual PCIe Mini, SATA II and Audio, RoHS



Support dual PCIe Mini card including full size and half size device.



One Key Recovery

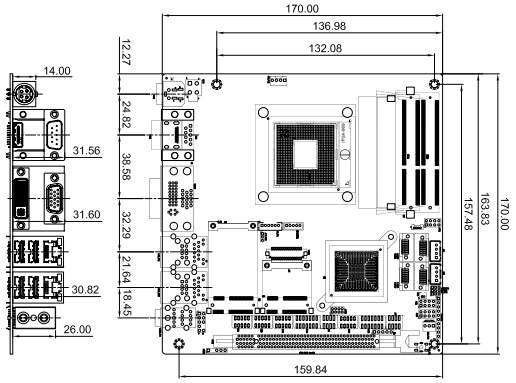
Features

1. Mini-ITX SBC with socket G1 for Intel® mobile Core™ i7/i5/i3 and Celeron® processor
2. DDR3 800/1066HMz dual channel SDRAM supported up to 8GB
3. 18/24-bit dual channel LVDS/ Analog CRT/ DVI/ HDMI output supported
4. PCIe x16 slot and dual MiniPCIe card for high speed device expansion
5. TPM V1.2 hardware security function supported by TPM module
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU
  Socket G1 for Intel® mobile Core™ i7/ i5/ i3 and Celeron® processor (Socket 988)
- PCH
  Intel® HM55
- Memory
  Two 204-pin 4GB (max.) 800/1066MHz dual-channel DDR3 SDRAM SO-DIMM supported (System max. 8GB)
- BIOS
  AMI uEFI BIOS
- Ethernet
  Daul GbE LAN controller by Realtek RTL8111E with ASF 2.0 support
- Graphic Engine
  Gen 5.75 with 12 Execution Units DirectX* 10, OpenGL* 2.1
- Display Interface
  Analog CRT by VGA connector (2048x1536)
  18/24-bit Dual channel LVDS (1600x1200)
  HDMI supports resolution up to 1080p
  DVI-D
- Super I/O
  Fintek F81865
- Audio
  Realtek ALC888 HD codec
- I/O Interface
  4 x RS-232 — 2 x RS-232/422/485 with Auto Flow control
  8 x USB 2.0 — 4 x SATA II with 2pcs DC power connector
  1 x 6-pin header for KB/MS
- Expansion
  1 x PCIe Mini card slot
  1 x Half size PCIe Mini card slot
  1 x PCIe x16 slot
- TPM
  2 x 10-pin header
- SMBus
  1 x 4-pin wafer connector
- Watchdog Timer
  Software programmable support 1~255 sec. system reset
- Digital I/O
  8-bit digital I/O, 4-bit input / 4-bit output
- FAN Connector
  1 x 4-pin CPU fan connector
  1 x 3-pin system fan connector
- Power Supply
  Single voltage 12V DC input
  1 x external DIN 4-pin DC jack
  1 x internal 2x2-pin power connector
  AT/ATX support by jumper
- Power Consumption
  TBD
- Temperature
  Operating: -10°C ~ 60°C
- Humidity
  Operating: 5% ~ 95%, non-condensing
- Diemension
  170mm x 170mm
- Weight
  GW: 900g / NW: 450g

Dimensions(mm)



Packing List

1 x KINO-HM551 Single Board Computer	
1 x Dual RS-232 cable with bracket (P/N: 19800-000112-RS)	
2 x SATA with power cable kit (P/N: 32801-000100-100-RS)	
1 x I/O shielding (P/N: 45014-0032C0-00-RS)	1 x Utility CD
1 x QIG (Quick installation guide)	1 x Mini jumper pack

Ordering Information

Part No.	Description
KINO-HM551-R10	Mini-ITX SBC with Socket G for Intel® mobile Core i7/i5/i3 and Celeron® CPU, VGA/DVI/LVDS/HDMI, Dual PCIe GbE, USB 2.0, Dual PCIe Mini, SATA II and Audio, RoHS
CB-USB02-RS	Dual USB cable with bracket
SAIDE-KIT01-R10	SATA to IDE/CF Converter board
19800-000110-RS	RS-232/422/485 cable with bracket
32000-023800-RS	KB/MS Y cable
32102-000100-100-RS 32102-000100-200-RS 32102-000100-300-RS	SATA Power cable
CF-989A-RS-R11	CPU cooler for 55W
CF-989B-RS	CPU cooler for 50W