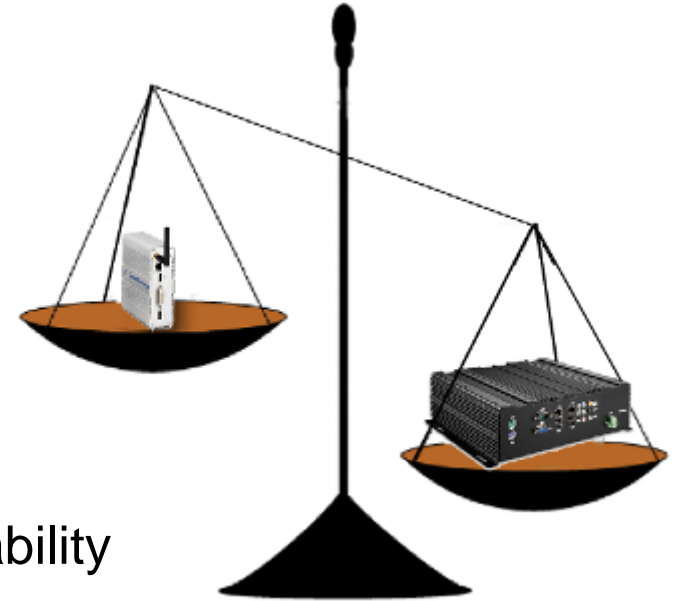# QBOX-1000

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Qbox-1000
Pint Sized Embedded PC

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Agenda

- Compact-Sized Embedded PC platform

- Intel Atom Platform, As Powerful as PC

- Rich I/Os

- Flexible Mechanism Design

- Product Specifications

- Optional Accessories

- Product Matrix Table

- Marketing Applications

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Compact-Sized Embedded System

- **0.6 Liter, 750g**
  - 1/4 smaller & lighter than the regular embedded PCs
- **Fan-less, aluminum housing**
  - Ideal for dusty environments
  - Excellent heat dissipation
  - Increases MTBF
- **Cable-less design**
  - For excellent ventilation and signal stability
- **Energy Efficient**
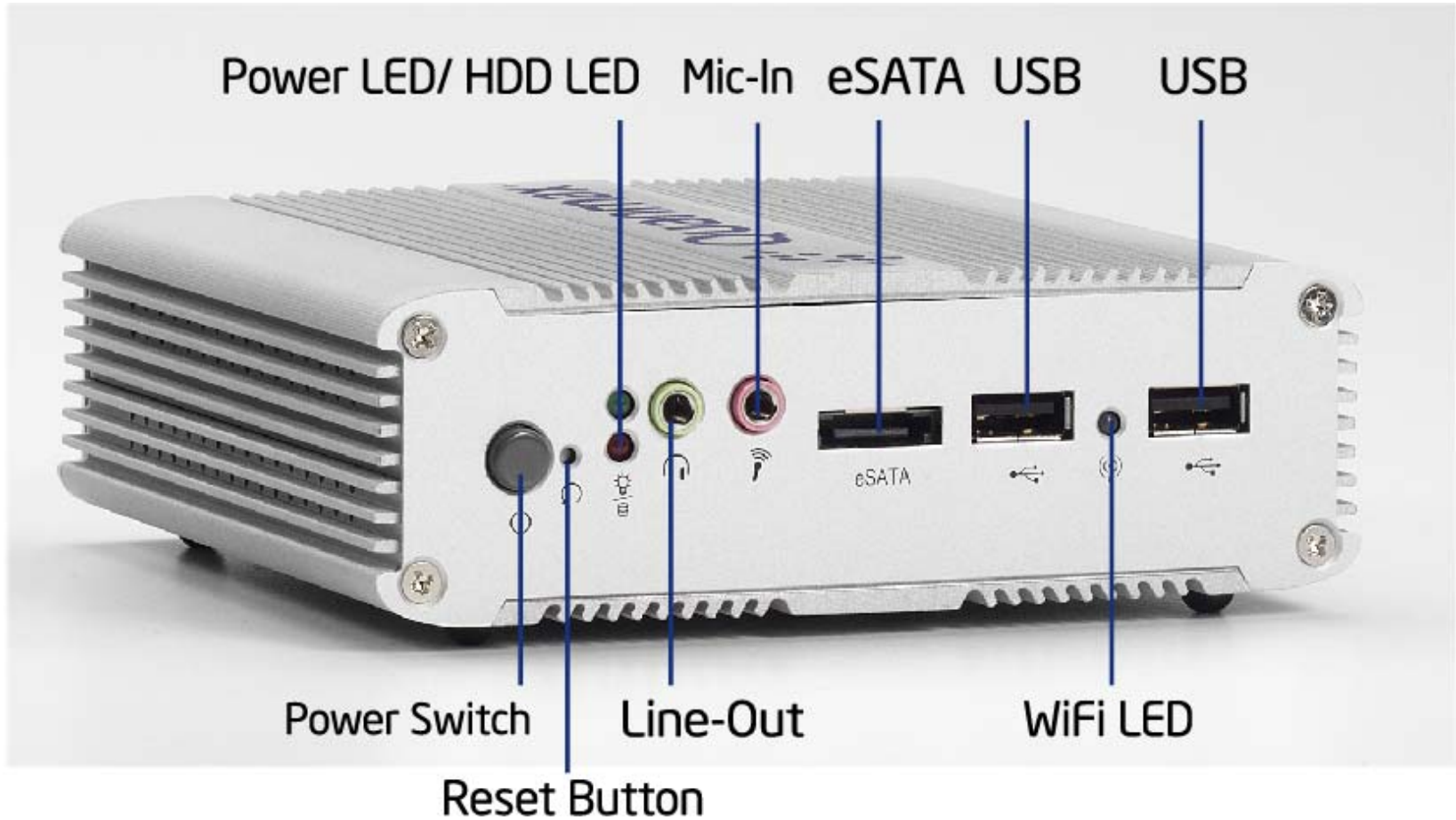 - Only requires 20 watts of power consumption (w/o USB & eSATA devices)
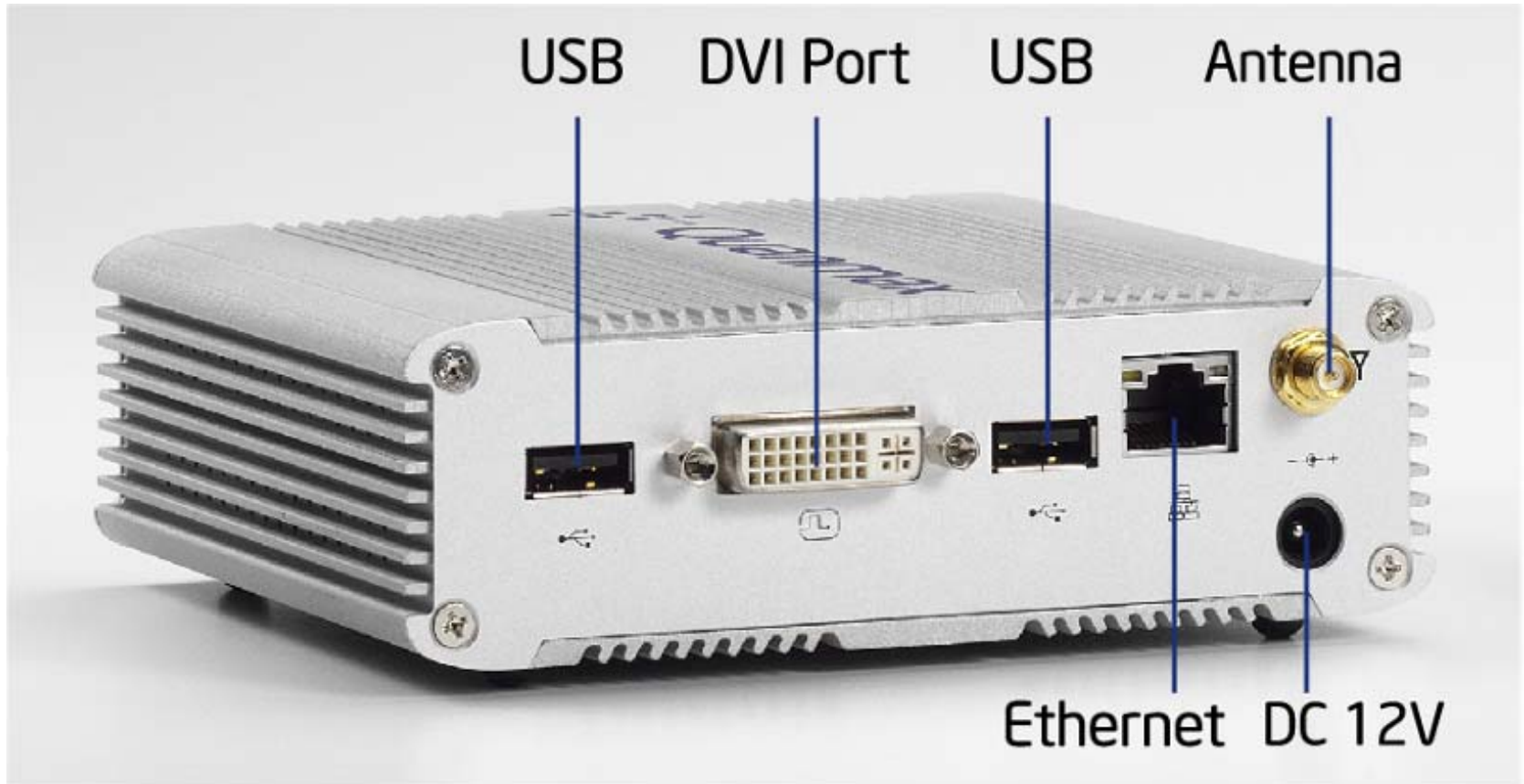
Intel Atom Platform
- As Powerful as PC

- **Intel Atom N270 (945GSE + ICH7)**
    - Low Thermal Design Power
    - Hyper-Threading Technology
- **Intel® Graphics Media Accelerator 950**
    - Sharp, vibrant pictures, smooth playback of video
    - Output to a wide range of displays
    - HDTV 720p and 1080i display resolution support
- **1x DDR2 SO-DIMM up to 2GB**
- **1 x 2.5" SATA HDD up to 500G (optional CF or SSD)**
- **7+ year longevity support**
- **Windows® XP and Embedded OS Support**

intel Atom inside™

Intel® GRAPHICS GMA 950
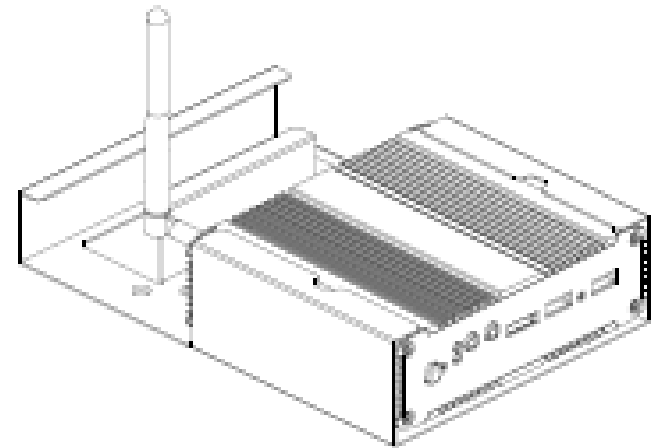
Microsoft Windows xp

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Front I/Os

Rear I/Os

Flexible Mechanism Design

- **Standard VESA & DIN-Rail Mounting Kit**
- **Customized Mounting Station**
  - Flexible mounting stations are accommodated with your variety applications easily.
  - Integrated with power sources and other electronics device.

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Product Specifications

Construction	**Aluminum extrusion**
System Board	**Proprietary motherboard, Intel® Atom N270 Processor , 945GSE / ICH7-M**
Memory	**DDR2 533 SO-DIMM up to 2GB**
I/O Panel	**Front I/O** **1x Phone Jack for Line-Out** **1x Phone Jack for MIC-In** **1x Push button for power on/off** **1x Push button for reset** **1x POWER LED** **1x HDD LED** **1x Wifi LED** **2x USB2.0** **1x eSATA connector** — **Rear I/O** **1x DC JACK for 9V ~ 24V DC input** **1x DVI-I connector for CRT & DVI output** **2x USB2.0** **1x RJ-45, GbE port** **1x WLAN Antenna (optional)**
Storage	**1 x 2.5" SATA HDD (default)1 x internal CF socket (optional)**
Power Supply	**Input: 90-264 VAC, 47-63 Hz, 2.0A max; Output: 50W, +12VDC output, 2.09A max**
Power Consumption	**20W (without USB and eSATA devices)**
Cooling	**Fanless and Internal Heat Pipes**
Expansion	**1 x Mini PCI-Express Socket (for optional WiFi)**
Temperature / Humidity	**Operating: 0℃ to 40℃, 0%-90%, non-condensing** **Storage: -20℃ to 80℃, 0%-90%, non-condensing**
Dimensions	**130 x 40 x 110 mm (W x H x D)**
Weight	**750g**
Mounting	**Wall-mount, VESA-mount**
Certification	**CE, FCC Class B**

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Optional Accessories

- **Wireless Mini PCI Express Card
  802.11 standard a/b/g/n**
  HSDPA 3.5G / 3G
  Solid-state drive

- **Power Supply**
  Input: 90-264 VAC, 47-63 Hz, 2.0A max
  Output: 50W, +12VDC output, 2.09A max

- **Mounting Kit**
  DIN Rail
  VESA

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Marketing Applications

- **Automation**

- **Digital Signage**

- **POI/POS/KIOSK Systems**

- **In-Vehicle PC**

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Marketing Applications
– Automation

- Attach to any size touch monitor as panel PC

- Work as a small control unit

- DIN Rail Mount Bracket

- Easy Maintenance

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Marketing Applications – Digital Signage

- **Attach to any size TV screen**

- **Smooth HD Video (720p/1080i) Playback**

- **Ethernet + WiFi (3/3.5G)**

- **Up to 500G storage**

Marketing Applications – POI/POS/KIOSK Systems

- **Attach to any size touch monitor**
- **Better ID design possible**
- **Ethernet + Wifi**
- **Space Saving**
- **Easy Maintenance**

Vertical Market
– In-Vehicle PC

- **Well Vibration & Shock Resistance**
- **wide range DC power input (9 - 24Volts)**
- **Ideal for dusty environments**
- **Space Saving**
- **Easy Maintenance**

Qbox-1000

= Your Right Solutions

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