

# KUBE-8020

Embedded Fanless Box PC with Intel® Core™2 Duo support, 945GM/ICH7M, dual GbE and DC power supply



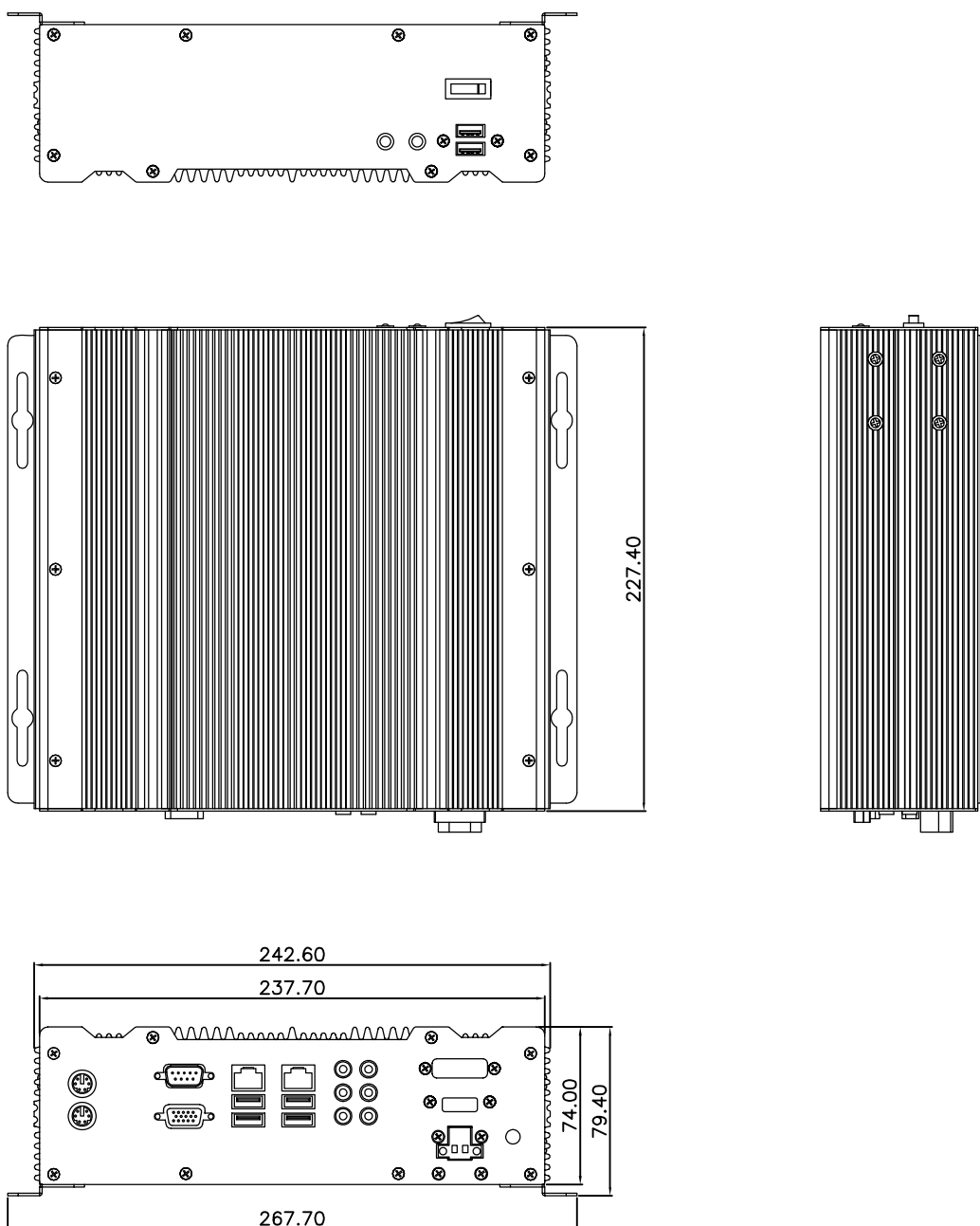
- Fanless design with Mini-ITX embedded motherboard
- Intel® Core™2 Duo support – Socket-M, 478-pin  $\mu$ FC-PGA
- 945GM/ICH7M chipset, DDR2 up to 4GB
- Compact size: 242.6 x 227.4 x 74.0 mm
- 2x Gigabit Ethernet, 2.5" HDD, COM port, Mini PCI slot, USB
- Optional DVI, HDMI and WiFi antenna
- Rugged aluminum chassis with integrated cooling solution

## Product Overview

The KUBE-8020 is a compact Fanless Box PC ideal for space-critical applications. This powerful embedded hardware platform supports an Intel® Core™2 Duo processor (Socket-M, 478-pin  $\mu$ FC-PGA package), 945GM/ICH7M chipset, and DDR2 up to 4GB . Featured are a 2.5" SATA HDD, and Mini PCI slot, dual Gigabit Ethernet, USB 2.0, VGA, optional DVI and HDMI, serial port, and PS/2 KB/MS.

The KUBE-8020 provides high performance, reliability for harsh environments, compact size, noiseless operation and is highly suited to a wide range of industrial applications such as Kiosk, ATM, Gaming, Transportation, Entertainment, Surveillance, and Thin Servers. Wall and desktop mounting supported.

## Mechanical Drawings



## Technical Information

<b>Construction</b>
Aluminum extrusion, heavy-duty steel chassis
<b>System Board</b>
Mini-ITX Embedded SBC, Intel® Core™ 2 Duo support, Intel® 945GM/ ICH7M
<b>Memory</b>
2x DIMM DDR2 400/533/667 up to 4 GB
<b>I/O Panel</b>
Front I/O
Power Switch
Power LED
HDD Activity LED
2x USB ports
Rear I/O
2x Gigabit Ethernet
1x Serial Port
4x USB 2.0
VGA port
1x DVI-I
Mic-in, Line-in, Line-out (HD audio)
PS/2 Keyboard, Mouse
1x Antenna Connector (Option)
1x HDMI (optional, with UGM module)
<b>Drive Bays</b>
1x 2.5" Hard Drive Bay (SATA)
<b>Expansion</b>
1x Mini PCI slot, UGM module interface
<b>WLAN</b>
IEEE 802.11b/g (optional)

<b>Power Supply</b>
AC/DC adapter, output 19V, 4.7A
<b>Cooling</b>
Fanless and Internal Heat Pipes
<b>Shock</b>
Operating: 10 g / 11ms; Storage: 30 g / 11ms (half-sine)
<b>Vibration</b>
Operating (IEC 68-2-64 Fh): 5-500Hz, 1g (rms) / x, y ; 0.7g (rms) / z-axis Storage (IEC 68-2-6 Fc): 5-500Hz, 2g (rms) / 3-axes
<b>Temperature / Humidity</b>
Operating: 0°C to 50°C, 0%-90%, non-condensing Storage: -20°C to 80°C, 0%-90%, non-condensing
<b>Dimensions</b>
242.6 x 74 x 227.4 mm (WxHxD)
<b>Weight</b>
3.5 kg
<b>Mounting</b>
Desktop, Wall-mount
<b>Certifications</b>
CE, FCC Class A

## Product Information

Article	Part. No.	Description
KUBE-8020	SKAKUBE8020BTO00	Socket-M, 945GM/ICH7M, 2x GbE, 6x USB, 1x COM, VGA-out, HD audio, DC PSU, PS/2 keyboard/mouse, integrated cooling system, wall-mount brackets

Article	Description
<b>CPU</b>	Celeron® M 440 1.86GHz, 1MB L2, 533MHz FSB Core™ Duo T2300, 1.66GHz, 2MB L2, 667MHz FSB Core™ Duo T2500, 2.0GHz, 2MB L2, 667MHz FSB Core™2 Duo T7400, 2.16GHz, 4MB L2, 667 MHz FSB
<b>Memory</b>	DDR2 667 512MB DDR2 667 1GB DDR2 667 2GB
<b>Storage</b>	2.5" SATA HDD 80 GB 2.5" SATA HDD 120 GB
<b>Power</b>	AC/DC adapter, output 19V, 4.7A (US, UK, EU power cords available)
<b>Operating System</b>	WIN XP Pro (English) / pre-installed WIN XP Embedded / pre-installed