eBOX-3220

High-performance low-power Intel Atom fanless industrial computer

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Introduction

eBOX-3220 is a cost-effective Fanless Computer，It using third-generation processor Intel Atom D2550 that With excellent computing performance and low power consumption，Data storage and support for mSATA SSD or 2.5-inch hard disk；Design a rich communication interface，such as 2 gigabit Ethernet ports、6USB2.0、6 RS232，and so on；Power input is DC 12V, with overcurrent, overvoltage and reverse polarity protection.

Fully sealed box structure to prevent dust from entering the chassis, large aluminum fin heat sink inside the system effectively distribute heat quickly, ensure that the host's reliability and longer service life. eBOX-3220 is suitable for harsh environments and long-running industrial site, widely used in finance equipment terminals, kiosk, subway fare collection, metal gates, car terminals, intelligent transportation, machine vision, medical equipment and factory automation.

eBOX-3220 is compatible with WindowsXP, WindowsXP Embedded, Windows7, Linux and major operating systems and embedded operating system, compatible with the customer based on the above operating systems and application software programs.

Features and Benefits

No cable design

Fastening Type storage installation design

Serial and power interface uses the phoenix terminal tightening

DVI and VGA support asynchronous or synchronous dual display

Support remote control switch

Specifications

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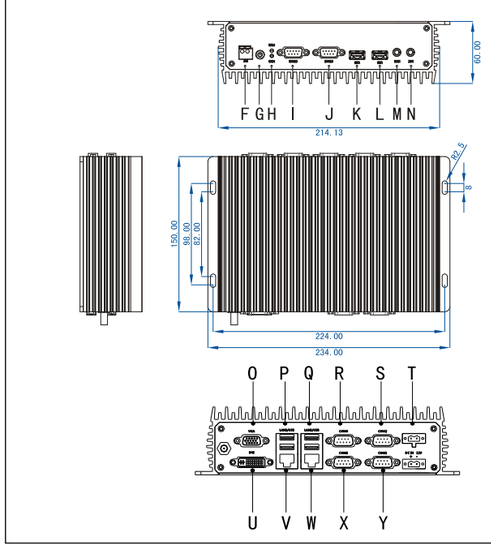
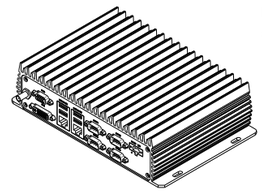
System		
Processor	：	Onboard Intel Atom D2550 dual-core processor（TDP10W） 1.86GHZ，Secondary cache 1M
Chipset	：	Intel NM10（TDP2.1W）
Memory	：	Standard DDR3 2GB Memory (up to 4G memory)
Disk	：	Support SATA 2.5 " SSD、HDD、mSATA
Display	：	Intel GMA3600 integrated graphics chip, support f DVI& VGA
Ethernet port	：	2 Realtek RTL8111E Gigabit Ethernet ports
Wireless	：	A Mini-PCIe slots, scalable 3G, Wifi wireless card
Audio	：	Realtek ALC662 audio controller
USB	：	6 USB2.0 ports, with electrostatic protection 8KV
Serial port	：	6 RS232
GPIO	：	4in &4 out(Customizable)
Extend	：	Support PC104PLUS(Customizable)
Watchdog	：	Programmable from 1to 255 seconds
I/O	：	VGA/DVI/2GLAN/6USB/6COM/AUDIO

Institutional		
Box structure	：	Aluminum box, good shock resistance and impact resistance
Box surface	：	Hard anodic oxidation treatment sandblasting, anti-scratch
Mounting	：	Supports desktop and wall-mounted
Indication	：	Power Switch/ Power LED/ HDD LED
Cooling System	：	Finned aluminum heat sink
Power Input	：	DC 12V input, with over-current, over-voltage protection
Dimensions	：	234 × 150 × 60mm
Color	：	Silver
Weight	：	1.2kg
Environmental		
Working tem.	：	-20 ~ 60℃ (No mechanical hard drive)
Storage tem.	：	-40 ~ 80℃
Relative humidity	：	95% (No condensation)
Vibration	：	50 ~ 500Hz,1.5G,0.19mm Peak to peak
Shock	：	10G/peak(11ms secretary)



Interface Definition :

H：HDD&Power Indicator light
I ： COM5
J ： COM6
K ： USB 2.0
L ： USB 2.0
M：Audio output
N：Audio Input
F ： Remote control switch
G ： Power switch



Interface Definition :

O：VGA output
P ： USB
Q：USB
R ： COM4
S ： COM5
T ： DC Power Input
U：DVI output
V ： LAN2
W：LAN1
X ： COM3
Y ： COM1

Ordering Information

eBOX-3220：D2550/2GRAM/2LAN/6 USB/6 COM/VGA/DVI