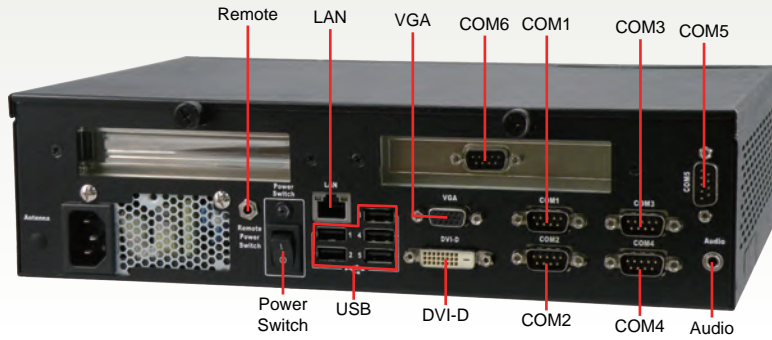


AR-ES5890

Intel Core 2 Duo Embedded System with VGA, DVI, LAN, 5 x COM,
9 x USB2.0, 1 x PCI Express x16



Features

- ✔ Support Intel Core 2 Duo/ Core Duo/Celeron M
- ✔ Support Dual Channel DDR3 up to 8GB
- ✔ VGA/DVI/LVDS/TV-Out
- ✔ 6 x COM, 9 x USB2.0
- ✔ PCI & PCI Express x16 Expansion
- ✔ Remote Power Switch Jack

Specification

System

CPU	Support Intel Core 2 Duo/Core Duo/Celeron M
Chipset	Intel GM45 + Intel ICH9M
Front Side Bus	667/800/1033MHz
Memory	2 x 204-pin SO-DIMM socket support 1066MHz Dual Channel DDR3 SDRAM up to 8GB

Video

Graphic Controller	Integrated Intel GEN 5 graphic controller
Video Memory	-
Video Interface	<ul style="list-style-type: none"> • 1 x VGA port (DB15) • 1 x DVI port • 1 x Dual Channel 24-bit LVDS (Pin header) • 1 x HDMI / Second VGA (Optional)

Storage

IDE	-
SATA	2 x SATA II port
CF	1 x Compact Flash Type I/II socket
Disk Bay	1 x Anti-shock 2.5" HDD/SSD bracket

Communication

Ethernet	1 x Gbps RJ45
USB	9 x USB2.0 (5 x external port, 4 x pin header)
Serial Port	<ul style="list-style-type: none"> • 1 x RS-232/422/485 (DB9) • 5 x RS-232 (DB9)

Expansion

PCI Slot	1 x PCI
PCI Express Slot	1 x PCI Express x16
miniPCIe	-

Other Feature

PS/2	1 x PS/2
Audio	Line-Out
Hardware Monitoring	<ul style="list-style-type: none"> • CPU voltage • CPU and system temperature • CPU and fan speed • System fan speed control
WatchDog Timer	Software programmable 1~255 sec.
Indicator	HDD and Power LED
GPIO	8-bit Digital I/O

Power Requirement

Power Input	ATX
Power Adaptor	90~260VAC, 180W power adaptor
Power Consumption	84.86W without external devices, 5.2A@3.3V; 2.3A@5V; 4.6A@12V

Software

OS Support	Windows Vista/XP/XP Embedded/CE, Linux
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Mechanical & Environment

Thermal Design	Fan
Chassis Material	Aluminum
Dimension (W x D x H)	310mm x 210mm x 80mm (12.21" x 8.27" x 3.15")
Weight	Net: 2.5kg (5.6Lb)
Operating Temp.	0~50°C (32~122°F)
Storage Temp.	-20~80°C (-4~176°F)
Safety	CE, FCC Class A

Packing List

- 1 x AR-ES5890
- 1 x Quick user guide
- 1 x Utility CD
- 2 x Mounting bracket

Ordering Information

AR-ES5890T94	AR-ES5890 with Intel Core 2 Duo T9400 2.53GHz
AR-ES5890CM575	AR-ES5890 with Intel Celeron M 575 2.0GHz
Optional Item	AR-B2013: HDMI dispaly card