

# ERC-1004A

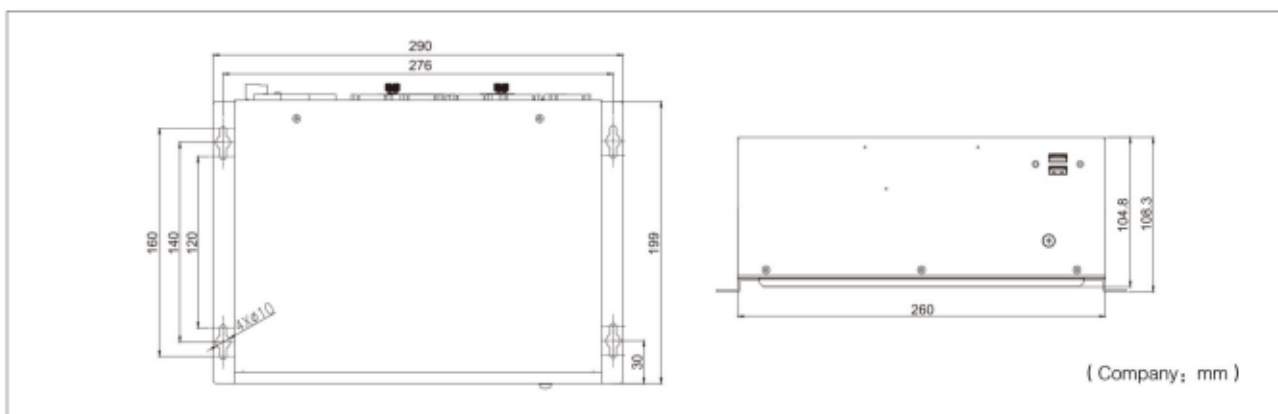
Low power fanless embedded PC with multi-COM ports



## Features:

- ◆ Onboard Intel® ATOM™ D425 processor;
- ◆ 14 x COM port, 3 x VGA+LVDS display; 32-channel GPIO (Max to 36-channel);
- ◆ 2 x 1000Mbps RJ45 network port (one supports Wake-On-LAN);
- ◆ Supports DC 12~ 24V or DC12V input, to meet power supply requirements of different users;
- ◆ Supports 512KB NVRAM;
- ◆ Adopts pin hole connectors, which ensures high reliability.

## Product size chart



## Specifications

System	Processor	Onboard Intel®E3845 1.91Ghz Quad-core Processor /D525 1.8GHz Dual core Processor
	Chipset	Intel® Baytrail-I SOC
	Memory	Onboard DDR3L 2GB memory(Max to 4GB)
Display	VGA	2 xVGA port(VGA1: resolution1920 x 1080;VGA2: resolution1920 x 1080;VGA3: resolution 1920 x 1080 optional)
	LVDS	1 x LVDS(DB24+4) resolution1920 x 1080
I/O ports	LAN port	2 x 10/100/1000Mbps RJ45 LAN port, LAN1 support Wake-On-LAN
	COM port	14 x RS-232 COM port, two of them are RS-232/422/485 port
	LPT	1 x LPT
	USB	6 x USB2.0
	PS/2	1 x PS/2
	GPIO	32-channel GPIO(Max to 36-channel GPIO,isolation or non-isolation optional)
	Audio	One group of audio ports, supporting MIC-IN/LINE-OUT
Storage	1 x SATA DOM; 1 x 2.5" SATA HDD	
	2 x CF Card (optional); 1 x CFast(optional)	
Operating Temperature	-20°C ~ 70°C;(wide temperature CF/SSD), -5°C ~ 55°C;(Monitoring level mechanical HDD)	
Operating Humidity	5%~90% 40°C (non-condensin)	
Storage Temperature	-40°C ~ 80°C; 5%~90% 40°C (non-condensing)	
Power	Input DC24V(12V-24V), supports single DC12V input(optional),AC100-240V power adapter(optional)	
Dimensions (W x H x D)	260 mm x 104.8mm x 199mm	

## Ordering Information

Part Number	Model Number	Description
0010-044371	ERC-1004A-05	low power consumption Fanless embedded complete PC ATOM D425 1.8G/2G memory/14 COM port /1*LPT/1*PS/32 GPIO/2*VGA/1*LVDS/2*network port /1 set Audio/6*USB/512KB NVRAM/ monitoring degree 500G hard disk /4G CF/DC12~24V in-put
0010-084011	ERC-1004A-11	ATOM D525 1.8G/2G memory/14 COM port /1*PS/24 GPIO/2*VGA/1*LVDS/2*network port /1 set Audio/6*USB/1*CF card/512KB NVRAM/4G IDE DOM/4G CF card/DC12~24V in-put

0010-084021	ERC-1004A-12	ATOM D525 1.8G/2G memory/12 COM port /1*PS/24 GPIO/3*VGA/1*LVDS/2*network port /1 set Audio/6*USB/1*CF card/512KB NVRAM/4G IDE DOM/4G CF card/DC12~24V in-put
0010-084761	ERC-1004A-13	ATOM D525 1.8G/2G memory/12 COM port /1*PS/24 GPIO/3*VGA/1*LVDS/2*network port /1 set Audio/6*USB/1*CF card/512KB NVRAM/ monitoring HDD 500G /DC12~24V in-put /120W power supply adaptor
0010-084941	ERC-1004A-21	Intel E3845 Quad-core 1.91G/2G memory/14 COM port /1*PS/36 GPIO/2*VGA/1*LVDS/2*network port /1 set Audio/6*USB/1*CF card/512KB NVRAM/8G CF card/DC12~24 in-put
0010-085001	ERC-1004A-22	Intel E3845 Quad-core 1.91G/2G memory/14 COM port /1*PS/36 GPIO/3*VGA/1*LVDS/2*network port /1 set Audio/6*USB/1*CF card/512KB NVRAM/ monitoring HDD 500G/4G CF card/DC12~24V in-put