

# F19307

Industrial Embedded Computer with Intel E3845 Processor, 3 GbE Lan Ports



## Specifications

Motherboard	
CPU	Onboard Intel Atom 32nm quad-core E3845 1.91GHz processor with 2MB L2 cache
BIOS	SPI FLASH BIOS
System memory	Onboard 2GB 1600MHz DDR3 memory, optional 4GB RAM
Storage	
Interface	One SATA Interface
SSD	One mSATA slot
CF slot	None
Ethernet	
LAN Port	Three 10/100/1000Mbps RJ45 network interfaces
Ethernet Controller	Three Intel 211AT Gigabit Network Controllers
BYPASS	Support one channel LAN BYPASS
Indicator	With LAN link, active, speed LED, built-in BYPASS status LED
External I/O	
USB	Two USB 2.0
COM	One RJ-45 COM console
Indicator	One Power LED, one HDD LED
Internal I/O	
Display	One built-in VGA interface, supports hot plug, maximum resolution support 2048x1536
USB	Two USB2.0 Pin interface
Button	One built-in reset button
COM	One RS232 Pin interface, optional external RS-485 interface with isolation
TPM	One TPM interface
DIO	8 digital level input and output interfaces (4 inputs, 4 outputs)
Watchdog	1~255 seconds programmable software watchdog, support system reset
Expansion	One PCIe x1 slots

## Features

- Onboard Intel Atom quad-core E3845 processor, 1.91GHz, 2MB cache
- Onboard 2GB 1600MHz DDR3L RAM, optional 4GB RAM
- 3x Gigabit RJ45 ports, one channel LAN BYPASS
- One RJ-45 RS232 console, Optional RS-485 isolated interface
- Two USB2.0, mSATA storage
- Two 9~36V DC wide inputs, with alarm for power failure
- Fanless thermally conductive aluminum extrusion, supports wide temperature working
- Support industrial-application environment

Power supply	
Power consumption	36W power adapter
Power input	Dual 9~36V wide range DC input
Environments	
Mounting	Support DIN-RAIL rail type installation
Operate Temperature	-40°C ~ 70°C
Storage Temperature	-50°C ~ 85°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Silver and Blue
Front panel	Front panel silk-screen [Customized LOGO optional]
Construction	Aluminum extrusion chassis
Dimensions (D x W x H)	158.1x122x45 mm
Weight	2.8 kg



## Ordering Informations

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Aluminum extrusion chassis, E3845 CPU, 2GRam, 3 x GbE RJ45, one lan bypass, 36W Power adapter