

# FES 6821

## Fanless embedded controller AMD Geode LX800 processor 1 x PCMCIA slot



### » Features

- » Aluminum alloy rugged micro box
- » Fanless design embedded controller
- » AMD Geode LX800 500MHz processor
- » Wide working temperature from -15°C to 50°C
- » Built-in SATA hard drive
- » 1 x PCMCIA slot
- » 9 ~ 30VDC power input with ATX Power Function

### » Specifications

#### Construction:

Rugged aluminum alloy chassis

#### Embedded System:

CPU Type: AMD Geode LX800 500MHz processor  
Memory: DDR-400 RAM SODIMM x 1, Max. 512 MB  
Ethernet: 10/100Base-TX Ethernet, 2 x RJ-45  
Driver Bays:  
Hard Disk Drive kit-Optional  
SSD: 1 x Type II CompactFlash slot  
1 x PCMCIA  
MTBF: 60,000 Hours

#### I/O Port:

Serial port: 4 x COM  
USB: 4 x USB2.0  
Audio: 1 x Audio  
(Line-in/Line-out/Mic-in by an extension cable)  
LAN: 2 x RJ-45, 10/100Base-TX  
1 x parallel port  
VGA/Keyboard/Mouse:  
1 x VGA,  
1 x PS/2 for Keyboard & Mouse

#### I/O Layouts:

4 x COM  
2 x RJ-45  
4 x USB 2.0 connector  
1 x VGA  
1 x PS/2 for Keyboard & Mouse  
1 x Power On/Off Switch  
1 x Power input  
1 x Reset button

#### System LED Indicator:

1 x Power LED  
1 x HDD LED

#### System Support:

Windows XP, Windows XP Embedded, Linux, WinCE

#### Power supply:

1. DC Input (Default)  
Internal DC-DC Converter  
Input voltage: 9V DC ~30V DC  
2. AC Input (Optional)  
External Power 9V DC ~ 30V DC  
Output rating: 36W (+12V@3A)  
Input voltage: 100V AC ~240V AC @50~60Hz

#### Color:

Dark blue

#### Mounting:

Wallmount

#### Gross Weight:

4.75lb

#### Dimension:

9.5"(W) x 3.4"(H) x 4.2"(D)

#### Environmental:

Temperature  
Operation:  
-15°C ~ 55 °C (CFD)  
-15°C ~ 55 °C (HDD)  
Storage:  
-20°C ~ 70°C (CFD)  
Humidity: 5~95% @ 40 °C, non-condensing  
Vibration:  
1g rms/5 ~ 500Hz/random operation (HDD)  
Shock:  
20G peak acceleration (11ms duration)(HDD)  
EMC: CE/FCC

### » Ordering Guide

#### FES 6821:

Fanless embedded controller, dark blue colour.  
Optional for AC input adapter kit.

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