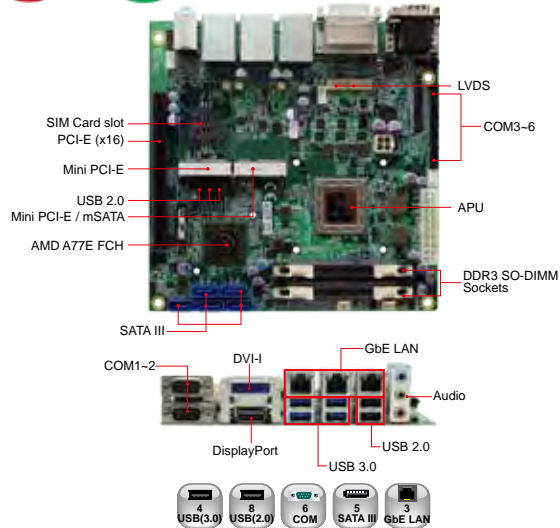


# MI977

## AMD 2nd Generation R-series Mini-ITX Motherboard with AMD A77E FCH



### Features

- Supports AMD 2nd Generation R-series APU on board, up to 2.7GHz
- 2x DDRIII SO-DIMM, Max. 32GB
- 3x PCI-E Gigabit LAN
- DVI-I, DisplayPort & 24-bit dual channel LVDS
- Watchdog timer, Digital I/O, iSMART 3.1, RAID
- 5x SATA III, 4x USB 3.0, 8x USB 2.0, 6 x COM, 1x mSATA
- 1x PCI-E(x16), 2 x Mini PCI-E
- 1x SIM card slot

### System

CPU	AMD 2nd Generation R-series APU on board, up to 2.7GHz
System Memory	2x DDR3 SO-DIMM, Max. 32GB
System Chipset	AMD A77E FCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	1x mSATA
H/W Monitor	Yes
Expansion Slot	1x PCI-E (X16), 2x Mini PCI-E

### Graphics

VGA Controller	AMD A77E built-in Radeon HD9000 series graphic core
VGA Memory	Shared memory
Display Interface	DVI-I, DisplayPort & 24-bit dual channel LVDS

### LAN

Controller	3x Realtek 8111G Gigabit LAN
Connector	RJ-45 on board

### Multi I/O

I/O Chipset	Fintek F81866AD-I 1x RS232/422/485( jumperless selection) 5x RS232, 5x SATA III (6.0Gb/sec.)
USB	4 ports (USB3.0) + 2 ports (USB2.0) on board 6 ports via pin header (USB 2.0)
Audio	Built-in HD audio with ALC662 codec for 5.1 CH
Others	Digital I/O (4-in/4-out), RAID, iSMART 3.1, SIM Card Slot

### Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	AMD RX427 APU 2.70GHz 2GB DDR3-1333 +3.3V: 1.02A +5V: 1.88A +12V: 1.08A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

### Ordering Information

MI977F-Q27 Art. No. 1( (' %	AMD RX-427BB APU on board + A77E 2.7GHz Mini-ITX motherboard w/ DVI-I +DP&LVDS, triple Gigabit LAN, iSMART 3.1, RAID
MI977F-Q25 Art. No. 1( (' %	AMD RX-425BB APU on board + A77E 2.5GHz Mini-ITX motherboard w/ DVI-I +DP&LVDS, triple Gigabit LAN, iSMART 3.1, RAID
MI977F-D22 Art. No. 1( (' %	AMD RX-225FB APU on board + A77E 2.2GHz Mini-ITX motherboard w/ DVI-I +DP&LVDS, triple Gigabit LAN, iSMART 3.1, RAID

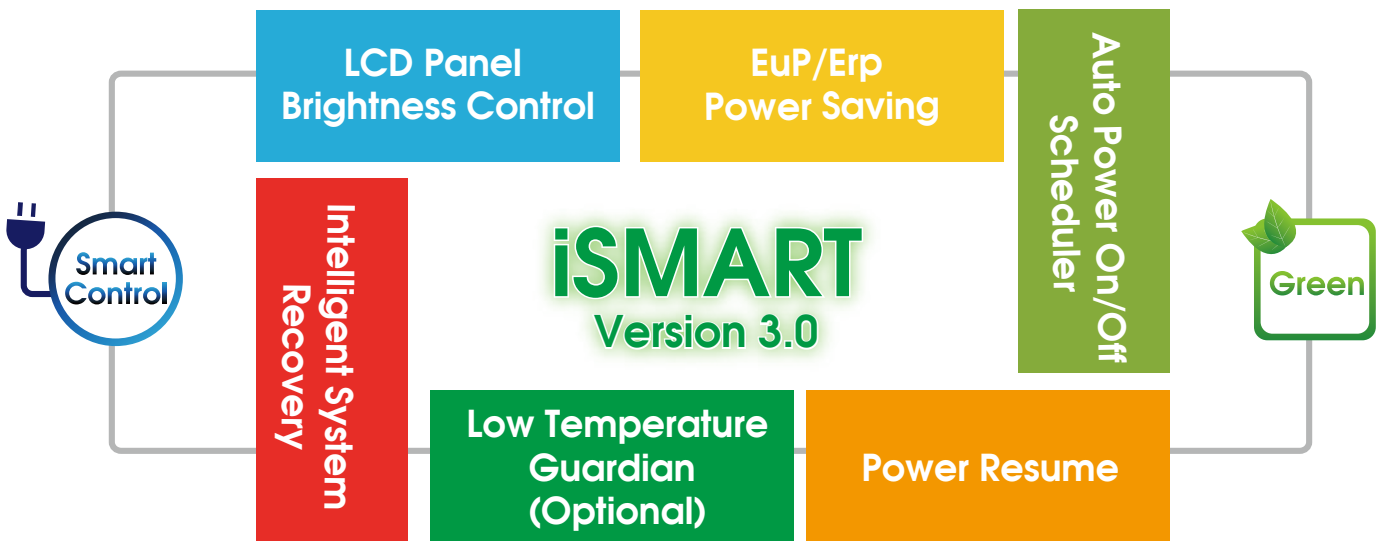
# MI977

## AMD 2nd Generation R-series Mini-ITX Motherboard with AMD A77E FCH

### APU List

Model#	# x86 Cores	# GPU CU	TDP	L2 Cache (MBytes)	CPU Frequency (GHz) Max/Base	GPU (MHz) Max/Base	Memory	Max DDR3 Rate
RX-427BB	4	8	35W	4	3.6/2.7	686/600	DDR3	2133
RX-425BB	4	6	35W	4	3.4/2.5	654/576	DDR3	1866
RX-225FB	2	3	17W	1	3.0/2.2	533/464	DDR3	1600

### iSMART Technology



### Dimensions and Drawing

