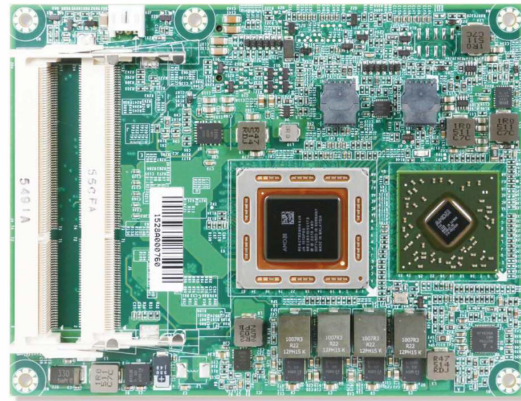


MEDM-B600

AMD FP3 APU based on TypeVI Compact-COM Express 2.0 module with Dual channel DDR3 SO-DIMM slots, DDI Interface, Gigabit Ethernet, PCIE, SATA and USB.



The new MEDM-B600 is COM Express Basic Module with Type 6 Pin out definition based on AMD R-Series (Bald Eagle) APU and A77E FCH for medical applications.

FEATURES

- COM Express type VI, basic form factor
- AMD Radeon HD9000 Direct X11.1
- Support Dual Channel Non-ECC DDR3(L) SO-DIMM 204-Pin Horizontal Socket (Up to 16GB)
- Support Four Independent Displays
- Support USB 2.0/3.0, SATA, 1 PCIE x16 and 4 PCIEx1

ORDERING GUIDE

AB1-3D12Z **MEDM-B600**
(R).MEDM-B600-425BB.COM Express TYPE VI.Basic Form Factor.A77E/RX-425BB/I211AT

AB1-3D14Z **MEDM-B600**
(R).MEDM-B600-427BB.COM Express TYPE VI.Basic Form Factor.A77E/RX-427BB/I211AT

Form Factor

Form Factor	COM Express Basic Module
Power Input Type	COM Express R2.1 Type 6 with +12V and 5VSB DC input

General

Processor	AMD R-series Bald Eagle Dual Core RE225FB 2.2GHz 17W Quad Core RE425BB 2.5GHz 35W Quad Core RE427BB 2.7GHz 35W
Chipset	AMD A77E Controller Hub, TDP: 7.8W 605 FCBA, 21mm x 21mm
BIOS	AMI BIOS, UEFI Architecture
System Memory	Dual Channel Non-ECC DDR3(L) SO-DIMM 204-Pin Horizontal Socket (Up to 16GB) Support DDR3(L)-1866/2133 Maximum Speed @1.5V
Storage Device	Support 4x SATAIII 6.0GB/sec
Watchdog Timer	Programmable via S/W from 1sec. to 255min
Hardware Monitoring	I2C control
Expansion Interface	1x PCI Express x16 Interface from APU 4x PCI Express x1 Interface from APU or 1x PCI Express x4 Interface (BIOS setting) 3x PCI Express x1 Interface from FCH

I/O Interface

Super I/O	ITE IT8528VG
Audio	High Definition Audio Interface
Ethernet	Intel i211AT
USB	4x USB 3.0 Ports 8x USB 2.0 Ports

Display

Graphic Controller	AMD Radeon HD9000 Direct X11.1, OpenGL 4.2 and CpenCL 1.2 Support
Display Interface	3x DDI Quad Displays Support (VGA/LVDS/DDI/HDMI)

Mechanical & Environment

Dimension	125 mm x 95 mm (4.92" x 3.74")
Environment	Storage Temperature: -40°C ~ 85°C Operating temperature: 0°C ~ 60°C with passive cooling Operation Humidity: 5% ~ 95%, non-condensing RoHS compliant
MTBF	Over 120,000 hours at 40°C
EMI Certification	CE, FCC Class B