

## TBM-16AM56

Tiny-Bus 16x PCIe ATI M56 Graphics Module  
Onboard ATi M56 GPU, 256MB Video Memory  
with DVI, Y/Pb/Pr HDTV and LVDS Interface



### Specification

Tiny-Bus® Modular Expansion Solution with x16 PCI Express Graphics  
Onboard ATI mobility M56 GPU and 256MB graphics memory  
GPU built-in MPEG1/2/4 decode / encode acceleration with DXVA support  
and hardware motion compensation, iDCT, DCT, color space conversion.  
VGA supports up to WXGA (1920 x 1200) and QXGA (2048 x 1536)  
DVI supports up to UXGA (1600 x 1200) of resolution  
HDTV supports up to 1080i mode  
Onboard 230MHz dual channel LVDS interface

### External / Internal Connector

External DVI connector  
External Y/Pb/Pr RCA HDTV connector  
Onboard 40-pin Hirose DF13-40DP-1.25V LVDS connector  
Onboard VGA pin header, cable connection with VGA port on motherboard

### Cable Kit

Auxiliary +12V power cable and module-to-motherboard VGA cable

### Application Notice

The motherboard should change the 4-USB connector to 2-USB connector

### Compatible EmBoard

**ITX-6965** Mini-ITX Intel Mobile 965 Express EmBoard (4 external USB)  
**ITX-6945** Mini-ITX Intel Mobile 945 Express EmBoard (4 external USB)  
**ITX-6900** Mini-ITX Intel Mobile 915 Express EmBoard (4 external USB)

### Ordering Code

**TBM-16AM56-256** Tiny-Bus x16 PCIe ATI M56 Mobility GPU Module  
with Onboard 256MB Video Memory

### Key Features

The TBM-16AM56 is based on the x16 PCI-Express ATI M56 GPU with onboard 256MB of video memory, offering the embedded modular graphics solution for the industrial small form factor (SFF) embedded x86-based computing applications.

- Easy-to-upgrade with low power, mobile x16 PCI Express based advanced graphics solution with onboard independent GPU and video memory.
- Liantec embedded Tiny-Bus® Modular Expansion Solution.

### Mechanical Drawing

