



DIAMOND MULTIMEDIA - SPECIFICATION SHEET

SKU X1650PCIE256

BRAND X1650

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ENG APVD - LK 2007-09-17  
MRKTG APVD - LL 2008-06-06

|                |   |
|----------------|---|
| <b>SKU</b>     | X1650PCIE256  |
| <b>PRODUCT</b> | ATI Radeon™ X1650 Pro DIAMOND VIPER X1650 Pro PCIE 256MB DDR2 128bit DVI. VGA. TV Out |

|                                  |                                    |                     |
|----------------------------------|------------------------------------|---------------------|
| <b>PRODUCT SHORT DESCRIPTION</b> | <b>INTERFACE</b>                   | PCI Express x16     |
|                                  | <b>GPU</b>                         | X1650PRO            |
|                                  | <b>CORE CLOCK</b>                  | 600MHz              |
|                                  | <b>MEMORY CLOCK</b>                | 800 MHz             |
|                                  | <b>MEMORY CONFIGURATION</b>        | 16Mx16              |
|                                  | <b>MEMORY TYPE</b>                 | GDDR2               |
|                                  | <b>MEMORY BANDWIDTH</b>            | 22.4GB/sec          |
|                                  | <b>MEMORY SIZE</b>                 | 256MB               |
|                                  | <b>MEMORY CONTROLLER INTERFACE</b> | 128-Bit             |
|                                  | <b>PORTS</b>                       | Dual DVI , HDTV-out |
|                                  | <b>DUAL LINK DVI</b>               | Hydravision 3       |

**PRODUCT DETAILED DESCRIPTION**  
 The Radeon™ X1650 PRO delivers stunning 3D graphics, excellent performance, and all the extensive features of a high-end graphics card. Your system will be able to handle the latest games, high definition digital video, and Windows Vista™ with aplomb. The X1650 PRO is capable of displaying a billion colors more than competing graphics cards, boasts one of the highest video performance scores in the industry, and can bring today's top games to life through outstanding shader performance and simultaneous high dynamic range lighting and full screen anti-aliasing, available only with ATI products. Radeon X1650 PRO graphics technology. Exceptional graphics performance.

- PRODUCT FEATURES**
- Bus Type: PCI Express x16
  - Memory Support: 256MB GDDR2 128 bit
  - Output: Dual DVI (Dual Link), HDTV, D-Sub Support
  - Core Clock: 600 MHz
  - Memory Clock: 800 MHz
  - CrossFire Ready

|                           |                                   |  |
|---------------------------|-----------------------------------|--|
| <b>SYSTEM REQUIREMENT</b> | <b>EXTERNAL POWER REQUIREMENT</b> |  |
|                           | <b>CPU</b>                        | AMD Athlon® or Intel ® Pentium ® 4   |
|                           | <b>CPU SPEED</b>                  | 2.4 GHz or higher CPU  |
|                           | <b>MEMORY</b>                     | 256MB  |
|                           | <b>HARD DISK</b>                  | 480 MB   |
|                           | <b>SYSTEM BUS</b>                 | PCI Express x16  |
|                           | <b>SLOT</b>                       | SINGLE   |
|                           | <b>CHASSIS</b>                    | ATX  |
|                           | <b>MONITOR</b>                    | Digital flat-panel (DFP) displays or DVI-I Compatible or digital CRT display or High-resolution VGA monitor  |
|                           | <b>INTERNET ACCESS</b>            | YES  |
|                           | <b>USB</b>                        | N/A  |
|                           | <b>CD DVD</b>                     | YES  |
|                           | <b>POWER SUPPLY</b>               | 420 Watt ATX 2.0 or greater power supply. Consult your computer system manual to ensure the power supply is designed to accommodate a high-end graphics card with a peak dissipation above 75 watts. |

**OPERATING SYSTEM** MCE WINXP WINXP64 WINVISTA32 WINVISTA64

**FORM FACTOR** Standard Profile Full-Height

**DIMENSIONS** [PRODUCT] : 11.75 X 9.5 X 3 [RETAIL BOX] : 11.75 X 9.5 X 3 [S BUILDER] : 11.5 X 7.25 X 2

**WEIGHT** [PRODUCT WEIGHT] : 0.45LBS [PRODUCT WITH CONTENT WEIGHT] : 2.0 LBS

**UPC** RETAIL PACKAGE UPC : 757448003727

- PACKAGE CONTENT**
- DIAMOND VIPER X1650 PRO PCIE 256MB DDR2-128BIT DVI. VGA. TV-OUT
  - QUICK START GUIDE
  - INSTALL CD
  - BONUS CD

**PRODUCT WEBPAGE** <http://www.diamondmm.com/X1650PCIE256.php>

**PRODUCT NOTES** **California Health & Safety Notice** : The solder used in this product contains lead, a chemical known to the State of California to cause birth defects and other reproductive harm. Please wash hands after handling internal components and circuit boards and avoid inhalation of fumes if heating the solder.