

128MB ATI Radeon HD 2400 Pro Dual-VGA or Dual-DVI, TV-out Graphics Adapter



Description	Geography	Marketing part number	Service part number (FRU)
128MB ATI Radeon HD 2400 Pro Dual-VGA or Dual-DVI, TV-out graphics adapter	Worldwide	43R1961	43C0259
DMS59 - Dual VGA Dongle		--	41D2399
DMS59 - Dual DVI Dongle		--	41X6398

Features and specifications

The 128MB ATI Radeon HD 2400 Pro Dual-VGA or Dual-DVI, TV-Out Graphics Adapter (43R1961) features:

- Dual-VGA supporting a maximum analog resolution of 2048 x 1536
- Dual-DVI supporting a maximum digital resolution of 1920 x 1200
- A low-profile for desktop, tower, and ThinkCentre M57 Small Form Factor systems
- Comprehensive Microsoft DirectX 10 support
- High-definition (HD) experience with Microsoft Windows Vista
- Certified for Windows Vista
- ATI Avivo™ HD Video and display architecture
- High-bandwidth Digital Content Protection (HDCP)
- Hardware-based H.264/VC-1 Unified Video Decoder (UVD) for smooth video playback of Blu-ray content
- Integrated s-video TV output support up to 1024 x 768 resolution
- PCI Express(R)x16 lane native support
- s-video TV-out supporting up to 1024 x 768 resolution
- ATI RV610LE graphics processing unit operating at 450+MHz frequency
- 128 MB of video memory
- Full support for Microsoft™ DirectX™ 10
- OpenGL 2.0 Support

Hardware requirements

The 128MB ATI Radeon HD 2400 Pro Dual-VGA or Dual-DVI, TV-Out Graphics Adapter is supported on the following systems:

- Lenovo 3000 J200 Tower (type 9690, 9691)
- Lenovo 3000 J200p Tower (type 9688, 9689)
- Lenovo 3000 S200 Desktop (type 9684, 9685)
- Lenovo 3000 S200p Desktop (type 9682, 9683)
- Lenovo 3000 S205 Desktop (type 9680, 9681)
- ThinkCentre A53 Desktop (type 8702, 8970, 8980, 8992, 9276, 9286, 9378, 9628)
- ThinkCentre A53 Tower (type 8701, 8973, 8983, 8995, 9277, 9287, 9387, 9635)
- ThinkCentre A55 Desktop (type 8706, 8972, 8982, 8994)
- ThinkCentre A55 Tower (type 8705, 8975, 8985, 9265)
- ThinkCentre A57 Small Form Factor (type 9704, 9785, 9794, 9807, 9859)
- ThinkCentre A57 Desktop (type 9169, 9189, 9703, 9784, 9788, 9792, 9853)
- ThinkCentre A57 Tower (type 9702, 9708, 9709, 9789, 9851)
- ThinkCentre A60 Desktop (type 8013, 8976, 8986, 9266, 9282, 9374, 9384, 9647, 9695)
- ThinkCentre A60 Tower (type 8700, 8979, 8991, 9269, 9283, 9383, 9631, 9646, 9694)
- ThinkCentre A61 Desktop (type 9126, 9128, 9130, 9135, 9137, 9140, 9142, 9144, 9159, 9169, 9189, 9191)
- ThinkCentre A61 Tower (type 9120, 9127, 9129, 9134, 9136, 9139, 9141, 9143, 9156, 9157, 9158, 9171)
- ThinkCentre M55 Desktop (type 6486, 8011, 8793, 8797, 8801, 8805, 8810, 8814, 9166)
- ThinkCentre M55 Tower (type 6487, 8012, 8794, 8798, 8802, 8806, 8811, 8816, 9167)
- ThinkCentre M55e Desktop (type 6491, 9278, 9288, 9380, 9632, 9649)
- ThinkCentre M55e Tower (type 6490, 9279, 9379, 9389, 9637, 9648)
- ThinkCentre M55p Tower (type 6487, 8794, 8798, 8802, 8806, 8811)
- ThinkCentre M57/M57p Desktop (type 6008, 6068, 6074, 6079, 6082, 9012, 9018, 9087, 9096, 9163, 9172, 9193)
- ThinkCentre M57/M57p Small Form Factor (type 6019, 6064, 6066, 6067, 6073, 6077, 6078, 6087, 6088, 9181, 9196)
- ThinkCentre M57/M57p Tower (type 6010, 6069, 6075, 6081, 6086, 9013, 9019, 9088, 9160, 9164, 9174, 9194)
- ThinkCentre M57e Small Form Factor (type 7066, 7098, 9352, 9359, 9482, 9487, 9622, 9952)
- ThinkCentre M57e Desktop (type 7065, 7096, 9351, 9358, 9438, 9481, 9489, 9949)
- ThinkCentre M57e Tower (type 7064, 7094, 9349, 9356, 9357, 9439, 9488, 9948)

Display support

- Dual integrated display controllers
- Dual integrated 10 bits per channel 400 MHz DACs Integrated
- 165 MHz TMDS transmitter (DVI 1.0 / HDMI compliant and HDCP ready)
- Integrated TV Output support up to 1024 x 768 resolution

Software requirements

- Microsoft Windows Vista
- Microsoft Windows XP

Packaging

- 128 MB graphics adapter with a fitted full-height bracket
- Low-profile bracket
- DMS59 to Dual-DVI dongle
- DMS59 to Dual-VGA dongle
- User's guide
- CD

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