

MB86R01 'Jade' Output Display Resolutions

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History

Date	Author	Version	Comment
23.10.2007	AvT	1.00	Draft version
09.10.2009	AvT	1.10	Removed reference to 1280 x 1024 (max. is 1024 x 768)

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1 Output Resolutions and Limitations

This MB86R01 'Jade' Hardware Manual states a maximum display output resolution of 1024 x 768 (XGA). However, the use of the resolution has some restrictions.

The device's AC specification allows a maximum frequency of 67MHz. SDRAM bandwidth utilization also plays an important role so the following is possible:

- ❑ XGA 1024 x 768 (66 Mpix/sec), single display:
can be used when displaying six 16bpp layers (no capture)
- ❑ XGA 1024 x 768 (66 Mpix/sec), dual display:
If two display controllers are used to output XGA simultaneously, then only three layers are available for each display controller (no capture)