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| NetSpeed IMG2 Protocol Support  Version: ORION-AMBA-15.12  Dec 30, 2015 |

NetSpeed IMG2 Protocol Support

About This Document

This document describes the IMG2 protocol support NetSpeed Orion IP.

Audience

This document is intended for users of NocStudio:

* NoC Architects
* NoC Designers
* SoC Architects
* SoC Designers

Prerequisite

Before proceeding, you should generally understand:

* IMG2 interconnect standard

Related Documents

The following documents can be used as a reference to this document.

* NetSpeed NocStudio User Manual

Customer Support

For technical support about this product, please contact [support@netspeedsystems.com](mailto:support@netspeedsystems.com)

For general information about NetSpeed products refer to: [www.netspeedsystems.com](http://www.netspeedsystems.com)

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# IMG2 Protocol Support in NetSpeed IP

## Feature Adoption

The table below provides a high level summary of IMG2 features supported by NetSpeed IP.

|  |  |
| --- | --- |
| IMG2 Signal | Supported Value |
| img2\_addr | 14-60 |
| img2\_wdata | 64,128,256,512 |
| img2\_rdnwr | 1 |
| img2\_data\_mask | 1/8 of img2\_wdata |
| img2\_burst\_length | 5 |
| img2\_burst\_start | 1 |
| img2\_burst\_end | 1 |
| img2\_burst\_type | 2 |
| img2\_burst\_width | 3 |
| img2\_tag\_id | Max of arid /awid widths controlled with bridge\_prop   * axi4\_ar\_aid\_width (0-64) * axi4\_aw\_aid\_width (0-64) |
| img2\_tag\_sb | Max of AW+W or AR or R channel USER bits  controlled with ifce\_prop   * user\_width\_trans (0-32) * user\_width\_per\_byte (0-8) |
| img2\_cache\_snoop | 1 |
| img2\_rdata | 64,128,256,512 |
| img2\_rd\_tag\_id | max of arid /awid widths controlled with bridge\_prop   * axi4\_ar\_aid\_width (0-64) * axi4\_aw\_aid\_width (0-64) |
| img2\_rd\_tag\_sb | Max of AW+W or AR or R channel USER bits controlled with ifce\_prop   * user\_width\_trans (0-32) * user\_width\_per\_byte (0-8) |
| img2\_noreorder | 1 (Tied-off and unused) |
| img2\_tte | 8 (Tied-off and unused) |
| max outstanding read requests | 1-256 |

2670 Seely Avenue

Building 11

San Jose CA 95134

[www.netspeedsytems.com](file:///C:\Users\Kate%20Boardman\Downloads\www.netspeedsytems.com)