

# [ Quick Start Guide ]



*Purchasers of OEM products should consult with the OEM for support.*

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Support phone numbers are available in the Contact Support area of the QLogic support website:	<a href="http://support.qlogic.com">support.qlogic.com</a>

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# QLogic 12000 Quick Start Guide

## Installation Instructions

This guide describes the steps to install and activate a 12000-series InfiniBand switch. For detailed installation instructions, refer to the *QLogic 12000 Hardware Installation Guide*. See [“Obtaining Software and Documentation”](#) for links to download this document.

**NOTE:** For the 12005-PT16, please consult your modular blade enclosure documentation for detailed installation instructions.

## Step 1. Check the Packing List

1. Verify that all ordered equipment has been received. The 12000 switches ship with all components pre-installed. The following table lists the maximum configuration of installed field-replaceable units (FRUs) for each switch:

**Table 1. 12000-Series Components**

Component	12200	12300	12800-040	12800-120	12800-180	12800-360
Fans	N/A	N/A	4 Intake	5 Intake 3 Exhaust	5 Intake 3 Exhaust	10 Intake 10 Exhaust
Power Supplies or Blank Fillers	N/A	2 Power/ Fan units	4	4	6	12
IB Leaf Modules/ Blanks	N/A	N/A	4	12	18	36
Spine Modules/ Blanks	N/A	N/A	1	3	5	9
Management Modules/ Blanks	N/A	N/A	2	2	2	2
Hardware Installation kit (mounting rails, etc.)	1	1	1	1	1	1
DB-9 to RJ-11 adapter	N/A	1	2	2	2	2

**Table 1. 12000-Series Components**

Component	12200	12300	12800-040	12800-120	12800-180	12800-360
RJ-11 Serial cable	N/A	1	2	2	2	2
Power Cords	1	2	4	4	6	12

## Step 2. Mount the Switch

1. Install applicable rack mounting hardware and switch in a standard 19" rack as described in the *QLogic 12000 Hardware Installation Guide*.

## Step 3. Apply Power to the Switch

**NOTE:** Refer to *QLogic 12000 Hardware Installation Guide* for applicable safety warnings.

1. Attach the AC power cord(s) to the switch and wall outlets or power strips.
2. When the switch is plugged into an AC power outlet:
  - a. The system powers up.
  - b. The fans start.
  - c. The switch, power supply, and fan LEDs light up.

**NOTE:** For the 12800 switches, make certain the DC On switch is illuminated. If it is not, press the button to supply power.

## Step 4. Connect Cables

1. Connect a Category 5 or 6 (Cat 5/6) Ethernet cable to the RJ-45 connector(s) on the switch. Connect the other end of the Cat 5/6 to the OOB LAN workstation or Ethernet switch.
2. 12800 series: Connect RJ11 serial cable(s) to the DB9/RJ11 adapter(s), and to the switch serial ports.
3. 12300: Connect an RJ-11 cable to the switch serial port.
4. Connect the switch to IB-enabled hosts using QSFP IB copper or fiber-optic cables.

## Step 5. Change the Default System IP Address and Gateway IP Address

1. Change the default system IP address (192.168.100.9) and gateway IP address (255.255.255.0) as detailed in the *QLogic 12000 Hardware Installation Guide*. Obtain the new IP address and subnet mask from a network administrator.

## Step 6. Add equipment to the network

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## QLogic Service Initiation

Included with the purchase of a QLogic switch is a one year service plan. To activate the service plan register at <http://servicereg.qlogic.com>.

By registering, QLogic technical support can quickly provide assistance with product-related questions. QLogic or its authorized service provider handles all aspects of technical support for the switch.

To initiate the service plan, please register at <http://servicereg.qlogic.com> where you will submit:

- Company Name and Address
- Contact Information
- Serial Number of your switch
- Company you purchased the service plan from

After registering, you will receive an email within 5 business days that confirms your service contract, and terms and conditions.

To upgrade your service plan to include comprehensive break/fix support or to lock in prices with a 3 year contract, contact your reseller, or call QLogic at 1-800-662-4471 or 1-949-389-6000.

# Obtaining Software and Documentation

To obtain QLogic 12000 software and documentation, go the QLogic.com Downloads page at [http://driverdownloads.qlogic.com/QLogicDriverDownloads\\_UI/NewDefault.aspx](http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/NewDefault.aspx).

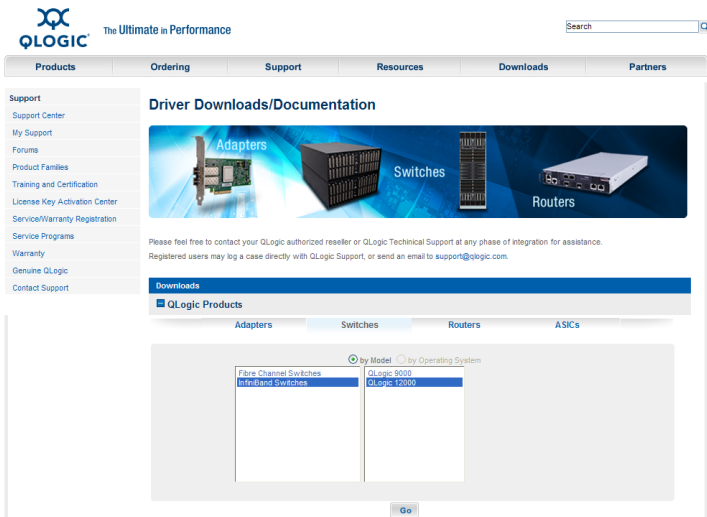


Figure 1. QLogic.com Downloads Page

**NOTE:** To update the 12005-PT16 module firmware, refer to the [QLogic 12000 Drivers and Downloads](#) page on QLogic.com.

# Switch-Based QLogic Fabric Manager License Key

Certain packages of the InfiniBand Fabric Suite entitle the user to the switch-based QLogic Fabric Manager. Refer to the licensing documentation that comes with the InfiniBand Fabric Suite for instructions on generating the license key.

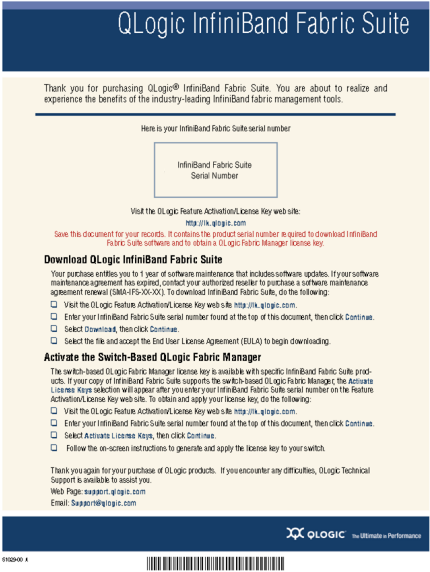


Figure 2. InfiniBand Fabric Suite Licensing Information

For detailed license key activation information, refer to the *QLogic 12000 Hardware Installation Guide*. See “[Obtaining Software and Documentation](#)” for links to download this document.

## China RoHS Electronic Information

Table 2. China RoHS

Part Name *	Toxic and Hazardous Substances and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr6+)	Polybrominated Biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Printed circuit assembly	X	0	0	0	0	0
Internal power supply unit	X	0	0	0	0	0
Fan	X	0	0	0	0	0
AC power inlet	X	0	0	0	0	0
Cable and connector assemblies	0	0	0	0	0	0
Power cord	0	0	0	0	0	0
Enclosure and fasteners	0	0	0	0	0	0
EMI gasket	0	0	0	0	0	0
Optics module	0	0	0	0	0	0
Adapter unit	0	0	0	0	0	0
Mounting rails	0	0	0	0	0	0
<p>* If the listed part is present in this product, then the substances are as identified in this table.</p> <p>"0" indicates the hazardous and toxic substance content of the part (at the homogenous material level) is lower than the threshold defined by SJ/T11363-2006 (Electronic Information Product Virulent Deleterious Substance Limits Quantity Request).</p> <p>"X" indicates the hazardous and toxic substance content of the part (at the homogenous material level) is over the threshold defined by SJ/T11363-2006 (Electronic Information Product Virulent Deleterious Substance Limits Quantity Request).</p> <p>In all cases where an X is shown, QLogic complies with the allowable exemption summarized in Article 7 of the Directive 2002/95/EC of the European Parliament And Of The Council of 27 January 2003.</p> <p>The number identified within the EIP pollution control logo is based on normal operating conditions.</p>						





Table 3. China RoHS Translated

部件名称 *	有毒，有害物质和元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板	X	0	0	0	0	0
内接电源	X	0	0	0	0	0
风扇	X	0	0	0	0	0
电源插口	X	0	0	0	0	0
缆绳和连接器组件	0	0	0	0	0	0
电源线	0	0	0	0	0	0
机壳和螺钉固定件	0	0	0	0	0	0
EMI 垫圈	0	0	0	0	0	0
光学模块	0	0	0	0	0	0
转换器	0	0	0	0	0	0
安装轨道	0	0	0	0	0	0
<p>* 表中列出此产品含有有毒和有害物质及元素的部件名称。</p> <p>“0” 表示此部件使用的所有同类材料中，此种有毒和有害物质低于 SJ/T11363-2006 标准规定的限制要求。</p> <p>“X” 表示此部件使用的所有同类材料中，此种有毒和有害物质高于 SJ/T11363-2006 标准规定的限制要求。</p> <p>此表中所有名称含 “X” 标志的部件均符合欧盟 RoHS 立法</p> <p>— “2003 年 1 月 27 日欧洲议会和欧洲理事会关于在电气电子设备中限制使用某些有害物质的指令 2002/95/EC”。</p> <p>— 此 QLogic 产品符合欧盟豁免清单。</p> <p><b>注：</b>所引用的环保使用期限标记根据产品的正常操作使用条件（如温度和湿度）确定。</p>						





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