



WatchGuard® XCS

Hardware Guide

XCS 970, 1170

Copyright Information

Copyright© 1998 - 2009 WatchGuard Technologies, Inc. All rights reserved.

WatchGuard, the WatchGuard logo, LiveSecurity, and any other mark listed as a trademark in the “Terms of Use” portion of the WatchGuard Web site that is used herein are either registered trademarks or trademarks of WatchGuard Technologies, Inc. and/or its subsidiaries in the United States and/or other countries. All other trademarks are the property of their respective owners.

Printed in the United States of America.

Part Number: 275-3728-001

Document Version: 1.3

Revised: 12/14/09

Complete copyright, trademark, patent, and licensing information can be found in the WatchGuard product documentation. You can find this document online at:

<http://www.watchguard.com/help/documentation/>

Notice to Users

Information in this guide is subject to change without notice. Updates to this document are posted on the WatchGuard web site, at <http://www.watchguard.com/help/documentation>. Companies, names, and data used in examples herein are fictitious unless otherwise noted. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of WatchGuard Technologies, Inc.

ABOUT WATCHGUARD

Since 1996, WatchGuard has been building award-winning unified threat management (UTM) network security solutions that combine firewall, VPN and security services to protect networks and the businesses they power. We recently launched the next generation: extensible threat management (XTM) solutions featuring reliable, all-in-one security, scaled and priced to meet the unique security needs of every sized enterprises. Our products are backed by 15,000 partners representing WatchGuard in 120 countries. More than a half million signature red WatchGuard security appliances have already been deployed worldwide in industries including retail, education, and healthcare. WatchGuard is headquartered in Seattle, Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America.

For more information, please call 206.613.6600 or visit www.watchguard.com.

ADDRESS

505 Fifth Avenue South
Suite 500
Seattle, WA 98104

SUPPORT

www.watchguard.com/support
U.S. and Canada +877.232.3531
All Other Countries +1.206.521.3575

SALES

U.S. and Canada +1.800.734.9905
All Other Countries +1.206.613.0895

Limited Hardware Warranty

This Limited Hardware Warranty (the “Warranty”) applies to the enclosed WatchGuard hardware product, not including any associated software which is licensed pursuant to a separate end-user license agreement and warranty (the “Product”). BY USING THE PRODUCT, YOU (either an individual or a single entity) AGREE TO THE TERMS HEREOF. If you do not agree to these terms, please return this package, along with proof of purchase, to the authorized dealer from which you purchased it for a full refund. WatchGuard Technologies, Inc. (“WatchGuard”) and you agree as set forth below or on the reverse side of this card, as applicable:

1. LIMITED WARRANTY. WatchGuard warrants that upon delivery and for one (1) year thereafter (the “Warranty Period”): (a) the Product will be free from material defects in materials and workmanship, and (b) the Product, when properly installed and used for its intended purpose and in its intended operating environment, will perform substantially in accordance with WatchGuard applicable specifications.

This warranty does not apply to any Product that has been: (i) altered, repaired or modified by any party other than WatchGuard except for the replacement or inclusion of specified components authorized in and performed in strict accordance with documentation provided by WatchGuard; or (ii) damaged or destroyed by accidents, power spikes or similar events or by any intentional, reckless or negligent acts or omissions of any party. You may have additional warranties with respect to the Product from the manufacturers of Product components. However, you agree not to look to WatchGuard for, and hereby release WatchGuard from any liability for, performance of, enforcement of, or damages or other relief on account of, any such warranties or any breach thereof.

2. REMEDIES. If any Product does not comply with the WatchGuard warranties set forth in Section 1 above, WatchGuard will, following receipt of the product you claim is defective and at its option, either (a) repair the Product, or (b) replace the Product; provided, that you will be responsible for returning the Product and for all costs of shipping and handling. Repair or replacement of the Product shall not extend the Warranty Period. Any Product, component, part or other item replaced by WatchGuard becomes the property of WatchGuard. WatchGuard shall not be responsible for return of or damage to any software, firmware, information or data contained in, stored on, or integrated with any returned Products.

3. DISCLAIMER AND RELEASE. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD, AND YOUR REMEDIES, SET FORTH IN PARAGRAPHS 1 AND 2 ABOVE ARE EXCLUSIVE AND IN SUBSTITUTION FOR, AND YOU HEREBY WAIVE, DISCLAIM AND RELEASE ANY AND ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD AND ALL OTHER RIGHTS, CLAIMS AND REMEDIES YOU MAY HAVE AGAINST WATCHGUARD, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN THE PRODUCT (INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE, ANY WARRANTY OF NONINFRINGEMENT, ANY WARRANTY OF UNINTERRUPTED OR ERROR-FREE OPERATION, ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY IN TORT, WHETHER OR NOT ARISING FROM THE NEGLIGENCE (WHETHER ACTIVE, PASSIVE OR IMPUTED) OR FAULT OF WATCHGUARD OR FROM PRODUCT LIABILITY, STRICT LIABILITY OR OTHER THEORY, AND ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY FOR LOSS OR DAMAGE TO, OR CAUSED BY OR CONTRIBUTED TO BY, THE PRODUCT).

4. LIMITATION AND LIABILITY. WATCHGUARD’S LIABILITY (WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE OR IMPUTED NEGLIGENCE AND STRICT LIABILITY AND FAULT) OR OTHER THEORY) WITH REGARD TO ANY PRODUCT WILL IN NO EVENT EXCEED THE PURCHASE PRICE PAID BY YOU FOR SUCH PRODUCT. THIS SHALL BE TRUE EVEN IN THE EVENT OF THE FAILURE OF ANY AGREED REMEDY. IN NO EVENT WILL WATCHGUARD BE LIABLE TO YOU OR ANY THIRD PARTY (WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE OR IMPUTED NEGLIGENCE AND STRICT LIABILITY AND FAULT) OR OTHER THEORY) FOR COST OF COVER OR FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, BUSINESS, OR DATA) ARISING OUT OF OR IN CONNECTION WITH THIS WARRANTY OR THE USE OF OR INABILITY TO USE THE PRODUCT, EVEN IF WATCHGUARD HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS SHALL BE TRUE EVEN IN THE EVENT OF THE FAILURE OF ANY AGREED REMEDY.

5. MISCELLANEOUS PROVISIONS. This Warranty will be governed by the laws of the state of Washington, U.S.A., without reference to its choice of law rules. The provisions of the 1980 United Nations Convention on Contracts for the International Sales of Goods, as amended, shall not apply. You agree not to directly or indirectly transfer the Product or associated documentation to any country to which such transfer would be prohibited by the U.S. Export laws and regulations. If any provision of this Warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect and the invalid provision shall be modified or partially enforced to the maximum extent permitted by law to effectuate the purpose of this Warranty. This is the entire agreement between WatchGuard and you relating to the

Product, and supersedes any prior purchase order, communications, advertising or representations concerning the Product AND BY USING THE PRODUCT YOU AGREE TO THESE TERMS. IF THE PRODUCT IS BEING USED BY AN ENTITY, THE INDIVIDUAL INDICATING AGREEMENT TO THESE TERMS BY USING THE PRODUCT REPRESENTS AND WARRANTS THAT (A) SUCH INDIVIDUAL IS DULY AUTHORIZED TO ACCEPT THE WARRANTY ON BEHALF OF THE ENTITY AND TO BIND THE ENTITY TO THE TERMS OF THIS WARRANTY; (B) THE ENTITY HAS THE FULL POWER, CORPORATE OR OTHERWISE, TO ENTER INTO THE WARRANTY AND PERFORM ITS OBLIGATIONS UNDER THE WARRANTY AND; (C) THE WARRANTY AND THE PERFORMANCE OF THE ENTITY'S OBLIGATIONS UNDER THE WARRANTY DO NOT VIOLATE ANY THIRD-PARTY AGREEMENT TO WHICH THE ENTITY IS A PARTY. No change or modification of the Warranty will be valid unless it is in writing and is signed by WatchGuard.

Declaration of Conformity

All the Declaration of Conformity statements related to this product can be found at the following URL:

www.watchguard.com/products/resources/conformity-regulatory.asp

FCC Certification

This device has been tested and found to comply with limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

CE Notice

The CE symbol on your WatchGuard Technologies equipment indicates that it is in compliance with the Electromagnetic Compatibility (EMC) directive and the Low Voltage Directive (LVD) of the European Union (EU).



Industry Canada

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

VCCI Notice Class A ITE

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づくクラス A 情報技術装置です。この装置を家庭用環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISPOSE OF USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

ATTENTION: IL Y A DANGER D'EXPLOSION S'IL Y A REMPLACEMENT INCORRECT DE LA BATTERIE, REMPLACER UNIQUEMENT AVEC UNE BATTERIE DU MÊME TYPE OU D'UN TYPE ÉQUIVALENT RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.

People's Republic of China Electronic Industry Standard

This table is presented in accordance with SJ/T11364-2006, Marking for Control of Pollution Caused by Electronic Information Products, implemented in November 2006.

**Management Methods on Control of Pollution From Electronic Information Products
(China RoHS declaration)
產品中有毒有害物質的名稱及含量
Hazardous Substances Table**

部件名稱 Parts	有毒有害物質或元素(Hazardous Substance)					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr6+)	多溴聯苯 (PBB)	多溴二苯 醚(PBDE)
板金件(Metal)	O	O	O	O	O	O
PCBA 板(PCBA Component)	X	O	O	O	O	O
開關電源(Power supply)	X	O	O	O	O	O
微處理器(CPU)	O	O	O	O	O	O
記憶模組(RAM Module)	X	O	O	O	O	O
風扇(Fan)	X	O	O	O	O	O

○：表示該有毒有害物質在該部件所有均質材料中的含量均在 SJ/T 11363-2006 標準規定的限量要求以下。
○：Indicates that this hazardous substance contained in all homogeneous materials of this part is below the limit requirement in SJ/T 11363-2006.
x：表示該有毒有害物質至少在該部件的某一均質材料中的含量超出 SJ/T 11363-2006 標準規定的限量要求。
x：Indicates that this hazardous substance contained in at least one of the homogeneous materials of this part is above the limit requirement in SJ/T 11363-2006.
對銷售之日的所售產品,本表顯示我公司供應鏈的電子資訊產品可能包含這些物質。注意：在所售產品中可能會也可能不會含有所有所列的部件。
This table shows where these substances may be found in the supply chain of our electronic information products, as of the date of sale of the enclosed product.
Note that some of the component types listed above may or may not be a part of the enclosed product.

RoHS Statement

The member states of the European Union approved directive 2002/95/EC, Restrictions of Hazardous Substances ("RoHS directive") that became valid on July 1, 2006. It states that all new electrical and electronic equipment put on the market within the member states must not contain certain hazardous materials. The WatchGuard XCS complies with the European Union's RoHS directive 2002/95/EC and similar regulations that may be adopted by other countries for European Sales.

WEEE Statement

WEEE is a general set of requirements dictated in the EU Directive 2002/96/EC. This Directive mandated that member EU countries enact regulations governing the Waste of Electrical and Electronic Equipment (WEEE). The Directive, and its individual transpositions into specific country laws and legislation, is aimed at the reduction of WEEE through reuse, recovery, and recycling of WEEE.

WatchGuard is working in partnership with our European Union (EU) distribution partners to ensure that our products are in compliance with the WEEE statutes, and that the recovery of our product per the specific EU country legislative requirements is seamless for our product's end users. If you have a WatchGuard product that is at its end of life and needs to be disposed of, please contact WatchGuard Customer Care Department at:

U.S. Customers: 877.232.3531

International Customers: +1.206.613.0456

WatchGuard is reasonably confident that our products do not contain any substances or hazardous materials presently banned by any legislation, and do not present a risk due to hazardous materials. WEEE recovery professionals should also note that these products do not have any materials that are of particular high value in their individual form.

REACH Certificate of Compliance

The new EU chemicals policy REACH (**R**egistration, **E**valuation, **A**uthorization and restriction of **C**hemicals) came into effect on June 1st 2007. REACH is Europe's new chemicals legislation, which is applicable in all 27 EU Member States as well as the EFTA European Economic Area (EEA). REACH creates a new system for gathering information, assessing risks to human health and the environment, and authorizing or restricting the marketing and use of chemicals produced or supplied in the EEA. REACH has an impact on EEA producers and importers of finished products and users of chemicals in the course of industrial or professional activities.

WatchGuard supports the overall REACH objective of improving the protection of human health and the environment and will meet all applicable REACH requirements. WatchGuard is strongly committed to working with our customers and supply chain to define and implement the REACH requirements and ensure a smooth transition to compliance.

One of the REACH requirements is that manufacturers and importers have the duty to register substances they are producing or importing. In accordance with the regulations, the products of WatchGuard do not need to be registered for the following reasons:

1. WatchGuard does not import more than 1 metric ton per year of a substance as defined by REACH.
2. WatchGuard products are non-chemical products that are not designed to release any substance under normal and reasonably predictable application.
3. Our products do not contain the listed substances at more than 0.1% by weight of the whole product/part.

Licensing

Some components of the WatchGuard XCS software are covered under one or more third party or open source licenses. You can find full licensing information in the product documentation on our public web site at www.watchguard.com/help/documentation. We include below the full text of the GNU General Public License.

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991
Copyright © 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

Terms and Conditions for Copying, Distribution, and Modification

1. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

2. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

-
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
 - Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

-
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

1. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
2. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Hardware Specifications

The WatchGuard® XCS (Extensible Content Security) appliance is an easy-to-use, all-inclusive email and web system that provides security and privacy of inbound and outbound traffic. It is the first product that provides correlated content security and threat prevention with consolidated administration and reporting across multiple protocols. The WatchGuard XCS provides content security that enables data loss prevention, encryption and content filtering with integrated threat prevention for viruses, spam, spyware, phishing, and malware attacks, all in a secured appliance.

Secure operating system

The WatchGuard XCS delivers the most complete security available for messaging systems. The system runs on a customized secure operating system that does not allow uncontrolled access to the system. There is no command line access and the WatchGuard XCS runs as a closed system, preventing accidental or deliberate misconfiguration by administrators which is a common cause of security vulnerabilities.

Package contents

- XCS appliance
- Product Documentation CD-ROM
- Quick Start Guide
- Hardware warranty card and LiveSecurity® Service activation card
- Power cords
- Rack mount kit

About your hardware

Hardware specifications

	XCS 970	XCS 1170
Processor	2.26 GHz Intel Quad Core E5520	2 x 2.26 GHz Intel Quad Core E5520
Memory	4 GB (2 x 2 GB) DDR3 1066MHz	4 GB (2 x 2 GB) DDR3 1066MHz
Hard Drives	2 x 160 GB SATA II	4 x 146GB 15K SAS
Power supply	Universal 1+1 Redundant Power Supply 650W	Universal 1+1 Redundant Power Supply 650W
Network Interfaces	2 x Intel 82563EB GB (Onboard) 2 x Intel 82563EB GB	2 x Intel 82563EB GB (Onboard) 2 x Intel 82563EB GB
USB Ports	2 x USB ports	2 x USB ports
I/O Interfaces	2 x PCI Express X8 1 x PCI-X 1 x SATA 1 x IDE 1 x PS2 mouse 1 x PS2 keyboard 1 x VGA connector 1 x 16550 Serial Port	2 x PCI Express X8 1 x PCI-X 1 x SATA 1 x IDE 1 x PS2 mouse 1 x PS2 keyboard 1 x VGA connector 1 x 16550 Serial Port
Dimensions	D=25.6" (65 cm) W=17.2" (43.7 cm) H=1.7" (4.3 cm)	D=25.6" (65 cm) W=17.2" (43.7 cm) H=1.7" (4.3 cm)
Weight	42 lbs (19.05 Kg)	42 lbs (19.05 Kg)

Environmental requirements

To safely install your XCS device, we recommend that you:

- Install it in a network rack
- Put it in a secure area, such as a locked room, to keep the device from people who do not have permission to use it
- Connect it to a conditioned power supply to prevent damage from sudden power changes

Other environmental requirements for the WatchGuard XCS device:

Operating temperature	0 – 45°C (32 – 113°F)
Operating relative humidity	10% - 85% Non-condensing
Non-operating temperature	-40 – 70°C (-40 – 158°F)
Non-operating relative humidity	10% – 95% Non-condensing

Hardware description

Front view

The front of the device.



This is a close-up of the front right side of the device.



UID (Unit identifier) button

Depressing the UID button illuminates an LED on both the front and rear of the system chassis for easy system identification in large stack configurations. The LED will remain on until the button is pushed a second time. Another UID button on the rear of the chassis serves the same function.

Universal information indicator

When the light blinks red quickly, it indicates a failed cooling fan, and when blinking red slowly, it indicates a power failure. See the following table for the status of each type of indicator state.

Indicator state	Status
Fast blinking red (1x sec)	Fan fail
Solid Red	CPU overheat
Slow Blinking Red	Power fail
Solid Blue	Local UID (Unit identifier) button depressed
Blinking Blue	IPMI-Activated UID

Network interface activity (NIC2)

The network interface activity lights flash when there is network activity detected on the second onboard network interface.

Network interface activity (NIC1)

The network interface activity lights flash when there is network activity detected on the first onboard network interface.

Hard disk activity

The hard disk activity light indicates disk drive activity when flashing.

Power indicator

Indicates power is being supplied to the system's power supply units when the system is operating.

Reset button

Press the reset button to reboot the device. Make sure your operating system is properly shutdown before using the reset button to reboot your device.

Power button

Press the power button to turn on and off the device. Make sure your operating system is properly shutdown before using the power button to power off your device.

Hard drive carriers

This is a close-up of the front left side of the device.



Hard drive carriers

Each hard drive carrier has two indicators:

- **Green:** When illuminated, the green light on the front of the drive carrier indicates drive activity.
- **Red:** The red light, when blinking, indicates the drive is rebuilding. When the red light is solid, it indicates a drive failure.

To remove a hard drive carrier:

- Push the release button beside the hard drive indicators.
- Swing the colored handle fully out and use it to pull the hard drive carrier straight out.

Rear view

This is a close-up of the rear side of the device.



Power supply fans

The fan decreases the internal temperature of the device.

AC receptacles

Accepts a detachable AC power cord supplied with the device.



Caution

You must always disconnect the power cord before you remove the cover of the XCS device.

PS/2 ports

There is a PS/2 port available to attach a keyboard for use with the XCS system console. The other port is reserved for future use.

USB interfaces

There are two USB interfaces that support additional peripherals such as a USB keyboard (for use with the XCS system console), and a USB DVD/CD-ROM drive.

Serial port

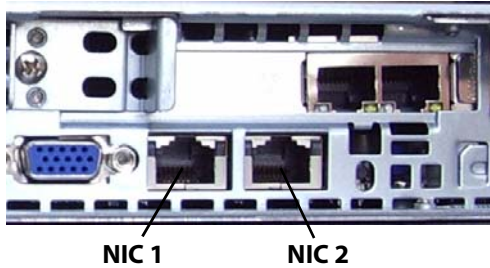
A DB9 connector for the serial port (COM1). This port can be used to attach a UPS (Uninterruptible Power Supply). The serial port can also be used to access the serial console if you do not have access to a monitor and keyboard.

VGA video interface (console)

A VGA video connector for attaching a monitor to view the XCS system console screen.

Network interfaces

This is a close-up of the network interfaces on the rear side of the device.



Onboard network interfaces

The XCS device has two onboard network interfaces, NIC 1 (left network interface) and NIC 2 (right network interface). The network interfaces have standard RJ45 connectors.

Additional network interfaces

The XCS device includes two additional network interfaces in the system expansion slot.

Indicators for network interfaces

On each network interface there is a pair of indicators. The left indicator is the activity indicator for the interface. The right indicator shows the connection speed for the interface.

Indicator	Indicator color	Interface Status
Activity (left)	Yellow	Power on, connection established
	Not lit	Power off, no connections
	Blinks (speed of blink increases as the data flow increases)	Data sent and received
Connection Speed (right)	Not lit	Operates at 10 Mbps
	Green	Operates at 100 Mbps
	Yellow	Operates at 1000 Mbps

Rack mount instructions

The WatchGuard XCS 970 and 1170 models are shipped with a rack mount kit and a set of installation instructions. When you install the XCS device in a rack, make sure you consider:

Elevated operating ambient temperature

If you install the XCS device in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment could be greater than the ambient temperature of the room. The XCS device is certified to operate correctly between 32–113°F (0–45°C).

Reduced air flow

When you install the XCS device in a rack, make sure that the amount of air flow required for safe operation of the equipment is not compromised.

Mechanical loading

When you mount the XCS device in the rack, avoid hazardous conditions caused by uneven mechanical loading.

Circuit overloading

Make sure you connect the XCS device to the power supply circuit to make sure there is no overloading of the circuits, and no impact on overcurrent protection and supply wiring.

Reliable grounding

Make sure all rack-mounted equipment is correctly grounded. For example, use power strips instead of direct connections to the branch circuit.