INFORMATION TO THE USER

This document provides regulatory information about the following Agere Systems Inc. products:

- Wireless Client products such as the PC Card, PCI Card and USB Client.
- Wireless Base Station products such as the RG-1000, RG-1100, BG-2000, AP-200, AP-500, AP-1000, AP-2000 and AS-2000.

The Wireless LAN products are wireless network products that use Direct Sequence Spread Spectrum (DSSS) radio technology. These products are designed to be inter-operable with any other wireless DSSS type product that complies with:

- The IEEE 802.11 Standard on Wireless LANs (Revision B), as defined and approved by the Institute of Electrical and Electronics Engineers.
- The Wireless Fidelity (WiFi) certification as defined by the WECA Wireless Ethernet Compatibility Alliance.

⚠ IMPORTANT SAFETY INSTRUCTIONS

When using this device, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

a. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
b. Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
c. Do not use this product to report a gas leak in the vicinity of the leak.

Additional Installation Requirements for Base Station products.

When installing base stations the placement of the device must also satisfy the following installation requirements:

a. Connect the unit to a grounding type AC wall outlet (100-240 V AC) using the standard power cord/adapter as supplied with the unit.
b. Placement must allow for easily disconnecting the power cord/adapter of the device from the AC wall-outlet.
c. Do not cover the device, or block the airflow to the device with any other objects. Keep the device away from excessive heat and humidity and keep the device free from vibration and dust.
d. Installation must at all times conform to local regulations.
e. When the device will be connected to an outdoor antenna system, consult the documentation that came with the outdoor antenna kit for additional regulatory information, safety instructions and installation requirements.
f. Always disconnect the cables before opening the equipment enclosure or touching an uninsulated cable, jack or internal component.
g. Connections to the USB Client device must be made with the shielded cable provided in the kit.
h. Connections to the AP-500, AP-1000 and/or AP-2000 device can be made with either Unshielded Twisted Pair (UTP) or Shielded Twisted Pair cabling (STP) cabling. When using the device in combination with Power over Ethernet, only use Shielded Twisted Pair cabling (STP).

For Residential Gateway 1000 only:

i. When connecting the device to an analog telephone, only use the telephone cable provided with the kit. If this telephone cable is damaged or missing, contact Agere Systems Inc. for an authorized spare part (in the US/Canada, to reduce the risk of fire, you may only replace the cable with a No. 26 AWG or larger telecommunication line cord).
j. Do not plug a modem or telephone cable into the Network Interface receptacle.

SAVE THESE INSTRUCTIONS

Wireless LAN and your Health

Wireless LAN products, like other radio devices, emit radio frequency electromagnetic energy. The level of energy emitted by Wireless LAN devices however is far much less than the electromagnetic energy emitted by wireless devices like for example mobile phones.
Because Wireless LAN products operate within the guidelines found in radio frequency safety standards and recommendations, Agere believes Wireless LAN is safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

Regulatory Information

You must install and use this device in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

Before you start installation or use of this product, carefully read the following information for device specific constraints or regulations that may apply in the country where you want to use this product.

In some situations or environments, the use of wireless devices may be restricted by the proprietor of the building or responsible representatives of the organization. These situations may for example include:

- Using the wireless equipment on board of airplanes, or
- In any other environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies on the use of wireless equipment in a specific organization or environment (e.g. airports), you are encouraged to ask for authorization to use this device prior to turning on the equipment.
The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this kit, or the substitution or attachment of connecting cables and equipment other than specified by manufacturer. The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.
The manufacturer and its authorized resellers or distributors are not liable for any damage or violation of government regulations that may arise from failing to comply with these guidelines.

North America

ETL ANSI/UL STD.1950

ETL listed products conform to ANSI/UL STD.1950 certified to CAN/CSA STD C22.2 NO.950

USA Federal Communications Commission (FCC)

Declaration of Conformity for products marked with FCC logo

This device complies with Part 15 of FCC Rules. Operation of the device is subject to the following two conditions (1) This device may not cause harmful interference, and (2) this device must accept any interference that may cause undesired operation.
Products that contain a radio transmitter are labeled with FCC ID and may also carry the FCC logo.

Caution: Exposure to Radio Frequency Radiation.

To comply with the FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied:

a. For configurations using the integral antenna, the separation distance between the antenna(s) and any person's body (including hands, wrists, feet and ankles) must be at least 2.5 cm (1 inch).
b. For configurations using an approved external antenna, the separation distance between the antenna and any person's body (including hands, wrists, feet and ankles) must be at least 20 cm (8 inch).

The transmitter shall not be collocated with other transmitters or antennas.

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications to this device that are not expressly approved by Agere may void the user's authority to operate the equipment.

Canada

Industry Canada (IC)

The wireless radio of this device complies with RSS 139 & RSS 210 of Industry Canada.
This Class B digital device complies with Canadian ICES-003 (NMB-003).

Europe - European Union Notice

All products with the CE marking comply with the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.
Compliance with these directives implies conformity to the following European Norms (in brackets are the equivalent international standards).

- EN 55022 (CISPR 22) - Electromagnetic Interference
- EN 55024 (IEC61000-4-2,3,4,5,6,8,11) - Electromagnetic Immunity
- EN 61000-3-2 (IEC610000-3-2) - Power Line Harmonics
- EN 61000-3-3 (IEC610000-3-3) - Power Line Flicker
- EN 60950 (IEC60950) - Product Safety

Products labeled with the CE 0122, CE0336 or the CE alert marking contain a radio transmitter that complies with the R&TTE Directive (1999/5/EC) issued by the Commission of the European Community.
Compliance with this directive implies conformity to the following European Norms (in brackets are the equivalent international standards).

- EN 60950 (IEC60950) - Product Safety
- EN 300 328 Technical requirements for radio equipment.
- ETS 300 826 and ETS 301 489-17 General EMC requirements for radio equipment.

To determine the type of transmitter, check the identification label on your Wireless LAN product.

Japanese Notice

Association of Radio Industries and Businesses (ARIB) STD-T66 Notice

This product has been classified as a “second generation low-power data communication system”, conforming to the Terminal Equipment Technology Standard set out in the “Law Concerning Electrical Communications Enterprises” and “Law Concerning Electromagnetic Waves”.
For approval reference consult the section Radio Approvals (page 4).
This product uses Direct Sequence Spread Spectrum (DSSS) modulation and radio frequencies in the 2.400-2.483 MHz band.

This frequency band is also used by industrial, scientific and medical equipment, such as:

- Microwave ovens
- Mobile Object Identification Systems (RF-ID) including both:
  - Premises radio systems that require a license, or
  - Specified low power radio stations for factory production lines that do not require a license.

Before using this equipment,

1 Make sure that you do not use your wireless LAN equipment in the vicinity of a Mobile Object Identification System (RF-ID). The range of possible interference is 40 m.
2 In case RF interference occurs to a Mobile Object Identification System (RF-ID), stop emitting radio signals or change the active frequency channel of your equipment. In case RF interference occurs to a licensed Mobile Object Identification System stop emitting radio signals immediately.
3 If you have a problem with your wireless equipment, such as interference from your equipment to a Mobile Object Identification System (RF-ID), contact your authorized reseller or manufacturer.
You can find address details on our web site at **www.agere.com**

VCCI (Base Stations and USB Client only)

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

Korean Notice

Product Name	Model Name	Trade Name/Manufacturer	Certification No.	Date of Certification	Produced in:
PC Card	PC24E-H-FC	Agere Systems	R-LARN-01-028	2001.10.15	Taiwan 대만
	PC24E-11-FC/R	Agere Systems	R-LARN-02-0027	2002.01.26	Taiwan 대만
	PC24E-11-FC/R S	Agere Systems	R-LARN-02-0236	2002.06.24	Taiwan 대만
USB Client	USB-W	Agere Systems	E-B900-01-4589	2001.10.13	Taiwan 대만
AP-200	Daytona	Agere Systems	E-E900-02-1224 (A)	2002.03.30	Taiwan 대만
AP-500	AP-500	Agere Systems	E-E900-01-4590	2001.10.13	Taiwan 대만
AP-1000	AP-II E	Agere Systems	E-E900-01-4591	2001.10.13	Taiwan 대만
AP-2000	AP-2000	Agere Systems	E-F900-01-5918 (B)	2001.12.31	Taiwan 대만
BG-2000	Daytona	Agere Systems	E-E900-02-1224 (A)	2002.03.30	Taiwan 대만
RG-1000	RG-1000	Agere Systems	T-A99-01-1176	2001.10.12	Taiwan 대만
RG-1100	RG-1100	Agere Systems	E-F900-02-0938 (A)	2002.04.14	Taiwan 대만
AS-2000	AS-2000	Agere Systems	E-F900-02-0043 (B)	2002.01.03	Taiwan 대만

Radio Approvals

To determine whether you are allowed to use your device in the countries listed below, please check the “contains transmitter” number that is printed on the identification label of your device.

Country	Radio Transmitter		Approval Reference	
Argentina	PC24E-H-FC	Worldcard	CNC:16-2327	
	PC24E-11-FC/R	Worldcard	CNC 16-2574	
Australia	PC24E-H-FC	Worldcard		
	PC24E-11-FC/R	Worldcard		
	PC24E-11-FC/R S	Worldcard		
	PC24E-11-ET/R S	ETSI		
Austria	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Belgium	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	For outdoor usage you may only use channels 10 and 11(2457 and 2462 MHz). *Private* usage outside buildings across less than 300m public grounds requires no special registration. *Private* usage outside buildings across more than 300m public grounds require special registration at IBPT/BIPT. *Public* usage outside buildings requires an IBPT/ BIPT licence. For registration and license please contact IBPT/BIPT.
	PC24E-H-ET-L	ETSI	RTT/RL/X 113	
	PC24E-H-ET			

Country	Radio Transmitter		Approval Reference	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Brazil	PC24E-H-FC	Worldcard	ANATEL 015901-AMN0465	This equipment operates in secondary mode: It is not allowed to protect the equipment against harmful interference from primary mode stations or stations of the same type. It is not allowed to cause interference to systems that operate in primary mode.
Canada	PC24E-H-FC	Worldcard	Canada 230 391 152A Cert. No. 10559	System with outdoor antenna requires license from Industry Canada.
	PC24E-11-FC/R	Worldcard	Canada 4005104679A	
	PC24E-11-FC/R S	Worldcard	IC: 4005104679A	
China	PC24E-H-FC	Worldcard	CMII ID: 2001AJ0385	
	PC24E-H-ET	ETSI	CMII ID: 2000AJ0152	
Chile	PC24E-H-FC	Worldcard		
	PC24E-11-FC/R	Worldcard		
	PC24E-11-FC/R S	Worldcard		
Colombia	PC24E-H-FC	Worldcard	400399	
	PC24E-11-FC/R	Worldcard	CRT 4000819	
	PC24E-11-FC/R S	Worldcard	No. 301574	
Czech Republic	PC24E-H-ET-L	ETSI	45314454	
	PC24E-H-ET			
Denmark	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Estonia	PC24E-H-ET-L	ETSI	M9599048	
	PC24E-H-ET			
Finland	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
France	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	Restricted frequency band: On French territory PC24E-H-FC devices may only use channels 10 and 11 (2457 MHz and 2462 MHz).

Country	Radio Transmitter		Approval Reference	
	PC24E-H-FR-L	France	99 0394 PP 0 (Dossier 97289 RD)	PC24E-H-FR(-L) & PC24E-H-ET(-L) devices may only use channels 10, 11,12 and 13 (2457, 2462, 2467and 2472 MHz). It is not allowed to operate the device at any other channel as supported by the device. License required for every indoor installation (please contact ART for procedure to follow). Use outdoors is not allowed.
	PC24E-H-FR		99 0393 PP 0 (Dossier 97290 RD)	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
	PC24E-11-FR/R	France		
Germany	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	License required for outdoor installations. Check with reseller for procedure to follow.
	PC24E-H-ET-L	ETSI	D810070L Cetecom ICT	
	PC24E-H-ET		D810069L Cetecom ICT	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Greece	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Hong Kong	PC24E-H-FC	Worldcard	LP400096	
	PC24E-11-FC/R S	Worldcard		
	PC24E-H-ET	ETSI	LP400095	
Hungary	PC24E-H-FC	Worldcard	LA-004-1-2000/00	
	PC24E-H-ET-L	ETSI	LA-005-0-2000/00	
	PC24E-H-ET		LA-004-0-2000/00	
Iceland	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
India	PC24E-H-FC	Worldcard		India Telegraph Act 1885 requires “End User License”. To obtain a license contact: The Jt. Wireless Advisor The Wireless Planning & Co-ordination Wing Ministry of Communications, Sanchar Bhavan New Delhi
	PC24E-11-FC/R	Worldcard		

Country	Radio Transmitter		Approval Reference	
Indonesia	PC24E-H-ET	ETSI	01372	
	PC24E-11-ET/R	ETSI	01373	
Ireland	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	TRA 24/5/84/6	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Israel	PC24E-H-ET			Restricted frequency band: Only Channels 4 through 8 (2412.0-2457.0 MHz) may be used in Israel
Italy	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	License required for indoor use. Use with outdoor installations not allowed
	PC24E-H-ET-L	ETSI	CEPT-RLAN I DGPGF/4/2/144-03/340367/96	
	PC24E-H-ET		CEPT-RLAN I DGPGF/4/2/144-03/340327/774	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Japan	PC24E-H-FC	Worldcard	NYCA0010	JATE approval number: D99-1057JP
	PC24E-11-FC/R	Worldcard	01NYDA1121	JATE approval number: D01-1128JP
	PC24E-11-FC/RS	Worldcard	01NYDA1208	
	PC24E-H-JP	Japan only	NYCA0008/GZCA0007	
	PC24E-11-JP/R	Japan only	01NYDA1122	
	PC24E-11-JP/RS	Japan only	01N YDA1209/01GZDA1104	
	PC24E-H-ET-L	ETSI	NYCA00024	
Korea	PC24E-H-FC	Worldcard	R-LARN-01-028	2001.10.15
	PC24E-11-FC/R	Worldcard	R-LARN-02-0027	2002.01.26
	PC24E-11-FC/R S	Worldcard	R-LARN-02-0236	2002.06.24
Liechtenstein	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Lithuania	PC24E-H-FC	Worldcard	14E911 Nr. 0225	
	PC24E-H-ET-L	ETSI	14E911 Nr. 0225	
	PC24E-H-ET			

Country	Radio Transmitter		Approval Reference	
Luxembourg	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	L 2490/10585-01J	
	PC24E-H-ET		L 2490/10584-01J	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Mexico	PC-24E-H-FC	Worldcard	RCPLUWA99-660	Restricted frequency band: On Mexican territory wireless devices may only use channel 11 (2450.0-2483.5 MHz).
	PC24E-11-FC/R	Worldcard	RCPLUPC01-498	
	PC24E-11-FC/R S	Worldcard	RCPLUPC01-498	
Netherlands	PC24E-H-FC	Worldcard	CE NB0122 Alert No 67 R&TTE Directive 1999/5/EC	License required for outdoor installations. Check with reseller for procedure to follow.
	PC24E-H-ET-L	ETSI	R0167 SDR3a; NL99061474 HDTP/RDR/485997	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
New Zealand	PC24E-H-FC	Worldcard	RFS	
	PC24E-11-FC/R	Worldcard	ENG 3/2/RFS29	
	PC24E-11-FC/R S	Worldcard		
	PC24E-H-ET-L	ETSI	RFS	
	PC24E-H-ET			
	PC24E-11-ET/R	ETSI	ENG 3/2/RFS29	
Norway	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Peru	PC24E-H-FC	Worldcard	MTC AVBS1816	
Poland	PC24E-H-FC	Worldcard	688/2000	
	PC24E-11-FC/R	Worldcard	Instytut Łączności Potwierddz. zgodności nr 072/2002	
	PC24E-H-ET-L	ETSI		
	PC24E-H-ET	ETSI		
	PC24E-11-ET/R	ETSI	Instytut Łączności Potwierddz. zgodności nr072/2002	
Portugal	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	

Country	Radio Transmitter		Approval Reference	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Saudi Arabia	PC24E-H-FC	Worldcard	Ref. 10/36	
	PC24E-11-FC/R	Worldcard	Ref. 10/36	
	PC24E-H-ET	ETSI	Ref. 10/36	
	PC24E-H-ET-L	ETSI	Ref. 10/36	
	PC24E-11ET/R	ETSI	Ref. 10/36	
Singapore	PC24E-H-FC	Worldcard	PMREQ - 0267-2000	Restricted frequency band: In Singapore wireless devices may only use channels 10 and 11 (2445.0-2483.5 MHz).
	PC24E-11-FC/R	Worldcard	PMREQ-0029-2002	
	PC24E-11-FC/R S	Worldcard	PMREQ-0029-2002	
	PC24E-H-ET	ETSI	PMREQ-WLAN-B-0934-99	
	PC24E-11-ET/R	ETSI	PMREQ-0030-2002	
South Africa	PC24E-H-FC	Worldcard		
	PC24E-H-ET-L	ETSI		
	PC24E-H-ET	ETSI		
Spain	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	01 00 0196	
	PC24E-H-ET		01 00 0195	
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Sweden	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	Ue990137	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Switzerland	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	BAKOM 99.0538.L.P	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
Thailand	PC24E-H-ET	ETSI	0704/4184	
	PC24E-11-FC/R S	Worldcard	704/9494	
	PC24E-11-ET/R S	ETSI	704/9494	

Country	Radio Transmitter		Approval Reference	
Taiwan	PC24E-H-FC	Worldcard	89LP0064 (DGT 98-7-24)	
	PC24E-11-FC/R	Worldcard	91LP0025 (DGT 91-2-5)	BSMI 3912A213
	PC24E-11-FC/R S	Worldcard	91LP0220 (DGT 91-6-18)	
Un. Arab Emirates	PC24E-H-ET	ETSI	MoC 530/825	
	PC24E-H-ET-L	ETSI	MoC 530/825	
	PC24E-11-ET/R	ETSI	MoC 830/1299	
	PC24E-11-ET/R S	ETSI	No. 5/10-2/1342/2/2126	
	PC24E-11-FC/R	Worldcard	MoC 830/1307	
United Kingdom	PC24E-H-FC	Worldcard	CE NB0122 Alert R&TTE Directive 1999/5/EC	
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
	PC24E-11-FC/R	Worldcard	CE NB0336 Alert	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	CE 0336 Alert	
	PC24E-11-ET/R	ETSI		
	PC24E-11-ET/R S	ETSI	CE 0336 Alert	
USA	PC24E-11-FC/R	Worldcard	IMRWLPCE2411R	Only indoor with integral or approved Range Extender Antenna
	PC24E-11-FC/R S	Worldcard	IMRWLPCE2411R	
	PC24E-H-FC	Worldcard	FCC ID: IMRWLPCE24H	
Venezuela	PC24E-11-FC/R	Worldcard	CONATEL 01388301	
	PC24E-11-FC/R S	Worldcard		

The Radio Type Number has the format **PC24E-*X*-YY**:
PC24E identifies the type of transmitter: a 2.4 GHz radio.
X identifies the compliancy level with the IEEE 802.11 Standard for Wireless LANs, where:

- ***H*** identifies the *11 Mb* transmitter that support the four IEEE 802.11 High-Speed compliant speeds 11, 5.5, 2 and 1 Mb/s.
- ***11*** identifies the same type of transmitter as *H*, based on a new hardware design.
- ***T*** identifies the *Turbo IEEE* transmitter that supports two IEEE 802.11 compliant speeds (2 and 1 Mb/s) and the Agere proprietary speeds (8 and 5.5 Mb/s).
- ***00*** identifies *Standard IEEE* transmitter that can operate at 2 and 1 Mb/s

YY identifies the channel set of the radio in the referenced wireless product:

- **FC** and/or **FC/R** or **FC/RS** for the 11 channels set (2.412-2.462 GHz), also referred to as Worldcard.
- **ET** and/or **ET/R** or **ET/RS** for channels sets that comply with the radio regulations as defined by the European Telecommunications Standards Institute (ETSI).
- **FR** and/or **FR/R** or **FR/RS** for channels sets that comply with radio regulations as apply in France
- **JP** and/or **JP/R** or **JP/RS** for channel sets that comply with former radio regulations as were applicable in Japan (currently Japan also permits the use of FC type card, also referred to as Worldcard).

TELECOMMUNICATIONS DEVICE APPROVALS FOR RESIDENTIAL GATEWAY 1000

The telecommunications device in the Residential Gateway 1000 equipment is approved for connection to the telephone network in the countries whose approval markings are indicated on the product label located on the bottom of the computer or on the modem. Refer to the documentation included with the product to ensure the product is configured for the country in which it is located. Selecting a country other than the one in which it is located may cause your modem to be configured in a way that violates the telecommunication regulations/laws of that country. In addition, your modem may not function properly if the correct country selection is not made. If when selecting a country a message appears that states that the country is not supported, this means that the modem has not been approved for use in this country and thus should not be used.

U.S. Modem Regulatory Statements

This equipment complies with Part 68 of the FCC rules. On this equipment is a label that contains, among other information, the FCC certification number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

Telephone Jack Type: USOC = RJ11C

An FCC compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack that complies with the Part 68 rules. See the installation instructions for details.

Ringer Equivalence Number (REN):0.53B

The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. Typically, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that may be connected to a line (as determined by the total RENs) contact the local telephone company.

Telephone Line Problems

If your telephone does not work, there may be a problem with your phone line. Disconnect the equipment from your phone line to see if the problem goes away.

- If it does not, report the problem either to your local company, or to your company's telecommunication's people.
- If disconnecting the equipment from your phone line eliminates the problem, the equipment itself may need service.

You are not allowed to perform repairs to the equipment. If trouble is experienced with this equipment, call Wireless LAN at 1-866-Wireless LAN or 1-866-674-6626.

If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved. If you do not disconnect your equipment when it is adversely affecting the telephone line, the telephone company has the right to disconnect your service temporarily until you correct the problem. The telephone company will notify you as soon as possible.

But, if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will also be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes to its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted telephone service.

The internal modem of this equipment will not work with party lines, can not be connected to a coin-operated telephone, and may not work with a private branch exchange (PBX).

Unlawful use of telephone networks

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including fax machines, to send any message unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message and the telephone number of the sending machine or such business, other entity, or individual. (The telephone number provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.)

In order to program this information into your fax machine, you should complete the steps outlined in the faxing software instructions.

These requirements apply to all fax machines and have been extended to all fax modems manufactured on or after December 13, 1995.

Canadian Modem Regulatory Statements

NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunication network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction. Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.
Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Telephone Jack Type: CA11A

This equipment is designed to be connected to the telephone network or premises wiring using the telephone cord and modular plug provided by Agere according to the installation instructions shipped with the product.

Ringer Equivalence Number (REN):0.4

The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five (5.0). The Ringer Equivalence Number for this device is less than 1.0.

Repairs

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Europe EU Declaration of Conformity

This product conforms to the relevant regulatory standards following the provisions of the European Council Directives 73/23/EEC (Low Voltage Directive) and 89/336/EEC amended by 92/31/EEC (EMC Directive).

Use of the internal modem

The equipment has been approved in accordance with Council Decision 98/482/EC for pan-European single terminal connection to the public switched telephone network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point.
In the event of problem, you should contact your equipment supplier in the first instance.

Australia

Use of the internal modem

All telecommunications devices are required to be labelled as complying to the Australian telecommunications standards, ensuring the health and safety of the operator and the integrity of the Australian telecommunications network. To provide compliance with the Australian Communications Authority's technical standards, please ensure that the following AT commands be maintained:

- ATBO (ITU/CCITT operation)
- AT&GO (no guard tone)
- AT&P1 (33/66 pulse dial make/break ratio)
- ATSO=0 or ATSO=2 (no answer or answer greater than one ring)
- ATS6=95 (DTMF period between 70-255 ms)
- ATS11=95 (DTMF period between 70-255 ms)

For calls that are automatically generated, a total of three call attempts are allowed to a telephone number, with a minimum period between calls of 2 seconds. If the call does not connect after three attempts, 30 minutes must expire before automatic redialing may be initiated. Failure to set the modem (and any associated communications software) to the above settings may result in the modem being non-compliant with Australian telecommunications standards. Under these circumstances a user could be subject to significant penalties under the Telecommunications Act 1997.

New Zealand

Use of the internal modem

The internal modem is fully approved to operate on the New Zealand telecommunications network under Telepermit number PTC 211/01/074. All telecommunications devices are required to hold a Telepermit and be labelled accordingly with the approved Telepermit number to comply with the New Zealand telecommunications standards, ensuring the health and safety of the operator and the integrity of the New Zealand telecommunications network.

To ensure compliance, all calls that are automatically generated should not make more than 10 call attempts to the same number within any 30-minute period with a minimum period between calls of 30 seconds. Failure to adhere to these standards may result in the modem being non-compliant with New Zealand Telecom standards. Under these circumstances a user could be subject to significant penalties.

Important If pulse dialling is required for any reason, the communications software must be set up to record numbers according to the following translation list.

- Number to be dialled: 0; number to be entered into computer: 0
- Number to be dialled: 1; number to be entered into computer: 9
- Number to be dialled: 2; number to be entered into computer: 8
- Number to be dialled: 3; number to be entered into computer: 7
- Number to be dialled: 4; number to be entered into computer: 6
- Number to be dialled: 5; number to be entered into computer: 5
- Number to be dialled: 6; number to be entered into computer: 4
- Number to be dialled: 7; number to be entered into computer: 3
- Number to be dialled: 8; number to be entered into computer: 2
- Number to be dialled: 9; number to be entered into computer: 1

The preferred method of dialling is to use DTMF tones as this is faster than pulse (decadic) dialling and is readily available on almost all New Zealand telephone exchanges.

Notify your Telephone Company

Some telephone companies require that you notify the local business office when you hook up a modem to their lines.