



Installing the Dialogic® Vision™ Server TIGW1U

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Revision history

Revision	Release date	Notes
64-0468-01 Rev A	August 2009	LBG
64-0468-01 Rev B	September 2009	LBG
64-0468-03	November 2009	LBG
Last modified: November 5, 2009		

Refer to www.dialogic.com for product updates and for information about support policies, warranty information, and service offerings.

Vision Server TIGW1U models

AC model number	DC model number	Description
VHW-005-005	VHW-006-005	No line card or signaling interfaces.

Components

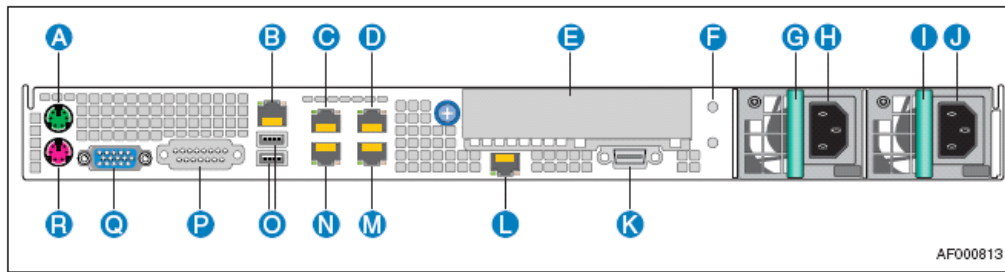
The Vision Server TIGW1U is shipped with the following components:

- Two AC power cords for AC servers. Specified per order.
- Intel Server universal rack mount kit
- *Installing the Vision Server TIGW1U* (this document)
- *Software License Agreement*
- *Accessing Vision Documentation*
- Perchlorate material warning
- China RoHS declaration

Note: Save all packaging materials. Your warranty requires that the server be returned in the original packaging.

Rear panel

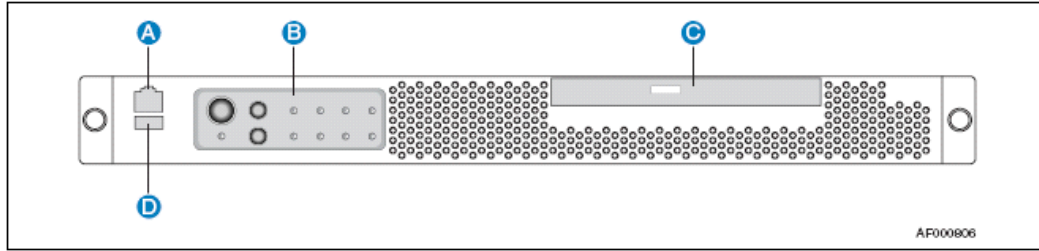
The following illustration shows the Vision Server TIGW1U rear panel (the model shown has no line card interfaces):



Item	Description	Item	Description
A	PS/2 mouse	J	AC power connection
B	RJ-45 serial port (COM2/Serial B)	K	External x4 SAS connector
C	RJ45 NIC connector	L	Intel® remote Management Module 2 (Intel® RMM2) connector (optional)
D	RJ45 NIC connector	M	RJ45 NIC connector
E	PCI add-in card bracket or filler panel	N	RJ45 NIC connector
F	Ground studs for DC input (2)	O	USB port 0 and USB port 1
G	Power supply #2	P	Telco alarms connector
H	AC power connection	Q	Video connector
I	Power supply #1	R	Keyboard connector


Front panel

The following illustration shows the Vision Server TIGW1U front panel:



Item	Description	Item	Description
A	RJ-45 serial port (COM2/Serial B)	C	Optical drive
B	Control panels	D	USB port 2

Installation overview

<p>Warning:</p> 	<p>Observe the following precautions when handling Vision Server TIGW1U equipment:</p> <p>Server power ON/OFF: The push-button on/off power switch on the front panel of the server does not turn off the power. To remove power from the server, you must unplug the power cord from either the power supply or wall outlet.</p> <p>Hazardous conditions</p> <ul style="list-style-type: none"> • Power supply: Hazardous voltage, current, and energy levels are present inside the power supply enclosure. • Devices and cables: Hazardous electrical conditions may be present on power, telephone, and communication cables. Turn off the server and disconnect telecommunications systems, networks, modems, and the power cord attached to the server before opening it. Otherwise, personal injury or equipment damage can result. <p>Maintenance: There are no user-serviceable parts inside the Vision Server TIGW1U chassis. Only technically qualified personnel should perform service and maintenance tasks.</p> <p>Avoid injury: Lifting the server chassis and attaching it to the rack is a two-person job. If needed, use an appropriate lifting device.</p>
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Weights

A Vision Server TIGW1U with no line card interfaces weighs approximately:

- Equipment only: 11.77 kg (25.94 lbs)
- Shipping weight: 14.36 kg (31.66 lbs)
- Universal rack mount kit: 1.81 kg (4.01 lbs)
- Actual mounting hardware: 1.40 kg (3.08 lbs)

Caution:	<p>Temperature: The operating temperature of the server, when installed in an equipment rack, must not go below 5 °C (41 °F) or rise above 35 °C (95 °F). Extreme fluctuations in temperature can cause a variety of problems in the server.</p> <p>Ventilation: The equipment rack must provide sufficient airflow to the front of the server to maintain proper cooling.</p> <p>Codes and regulations: Ensure that the installation meets all government codes and regulations concerning facilities. In addition, all sites where the Vision Server TIGW1U are deployed must meet all local, national, and international codes.</p>
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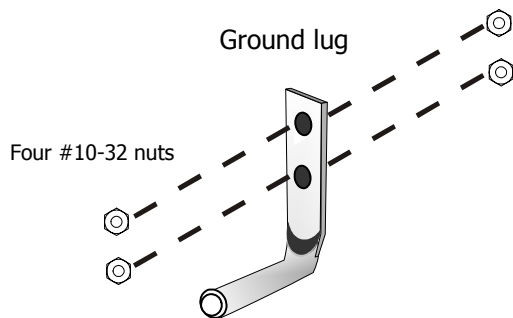
The following table summarizes the steps required for installing the Vision Server TIGW1U:

Step	Action	Refer to...
1	Install the Vision Server TIGW1U.	<i>Intel Server Deployment Toolkit CD</i>
2	Make a good low impedance connection to earth ground.	<i>Grounding the server on page 5</i>
3	Provide a power source for the server.	<i>Connecting to a power source on page 6</i>
4	Connect Ethernet interfaces to the device, if applicable.	<i>Connecting Ethernet cables on page 6</i>

After the installation is complete, configure the Vision Server TIGW1U as described in the documentation. Refer to the *Accessing Vision Documentation* document for information about accessing the documentation.

Grounding the server

Before connecting the server to a power source, be sure it is properly grounded. The server must be grounded using a two-hole #10x5/8 ground lug (Burdy YAV102TC10-90 or equivalent). Use four #10-32 nuts, one under and one on top of the ground lug as shown:



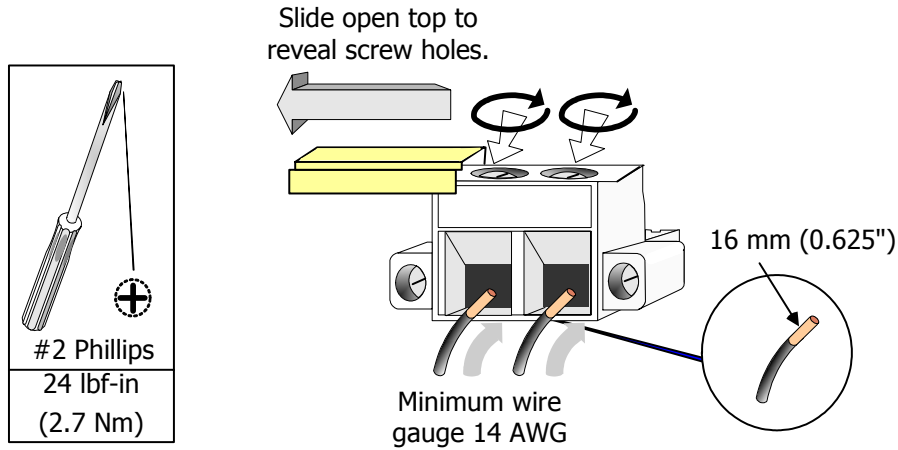
Tighten each nut to 10 in-lbs torque.

Note: The ground lug and nuts are not included with the server.

Connecting to a power source

If you are installing an AC server, connect a power cord to the AC connector on the back of the server and plug the cord into an AC outlet.

To install a DC server, slide open the cover for the DC power connector and strip the wire insulation back from the wire. Insert each wire all the way into the connector and tighten the screw on top of the connector as shown:

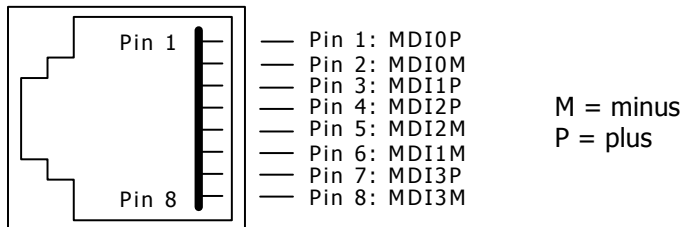


Caution: The top cover must be fully closed before applying power to cables or attaching the connector to the power supply.

Connecting Ethernet cables

To connect to a 10Base-T, 100Base-T, or 1000Base-T network, use two shielded twisted pair (STP) Category 5 or better Ethernet cables. The two 10/100/1000Base-T Ethernet connectors provide the line card with Ethernet connections supporting auto-negotiation for 10, 100, and 1000 Base-T full duplex and half duplex transmissions.


The following illustration shows pin assignments for the RJ-45 line card Ethernet interfaces:



Compliance statements

This notice must always be included with each product. Failure to provide this notice when supplying one of the covered products will invalidate the approval for that product. VARs must provide the applicable notices to their end-users in their system user manuals.

Electromagnetic compatibility

	<p>Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.</p>
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Safety warnings

To preserve safety compliance, be sure to select a host and host attachments that are compliant with the applicable safety requirements.

The power required by the host and the total of all adapter cards installed within the host environment, together with any auxiliary apparatus, must not exceed the power specification of the host as stated in the technical reference manual of the host apparatus. The power requirements for these product assemblies are:

Model	Power requirements
AC	100-127/200-240 V~ 50/60 Hz 4/2A* * per each AC cord
DC	-48 to -60 Vdc 7A MAX* * per each DC input

Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. The use of a surge arrester on the AC line is recommended.

Do not connect these products directly to a telecommunications network. These products must be connected to a network terminating unit (NTU), CSU, or some other device that provides line isolation. This allows the carrier's telecommunications network to be electrically isolated from the card and host system.

These products are only to be connected to safety extra low voltage circuits. These products should only be connected to the safety extra low voltage (SELV) port of the network termination unit (NTU) or PBX that is providing the E1 or T1 interface. These products are for intra-building use only and should not be connected to lines that run outside of the building where the telephony server is located. Failure to comply with these requirements will invalidate the approvals.

Europe

CE Compliance

The Dialogic® products covered by this notice meet the following European Directives:

2006/95/EC	Safety/Low Voltage Directive
2004/108/EC	EMC Directive
99/05/EC	R&TTE Directive

To achieve CE compliance, be sure to select a host that already meets the EMC and Low Voltage Directives before the addition of any optional board. Remember that the use of option boards declared compliant with the Directives by their manufacturer only gives "presumption of compliance" for the whole system. It

is the responsibility of the system supplier to verify that the requirements of the listed Directives are still met by the final system, as supplied to the end-user. System integrators should take notice of further conditions expressed in this section and the Safety section.

The products covered by this notice have been successfully tested against TBR 4 basic call control. Application developers implementing supplementary services at application level must ensure that their implementation complies with the services offered by the local Public Switched Telephone Network (PSTN) operator. In case of doubt, network specifications must be consulted; the R&TTE Directive imposes that each PSTN operator makes such specifications available.

Inter-working is guaranteed only with Public Switched Telephone Networks (PSTNs) offering Primary Rate Access conforming to EuroISDN specifications.

Before any connection to PSTN offering Primary Rate Access to other national or international E1 standards, please consult your Dialogic representative.

Compliance with the R&TTE Directive

The R&TTE Directive includes its own safety and EMC requirements. Although equipment declared compliant to the R&TTE Directive does not require explicit declaration of conformity to EMC and Low Voltage Directives, the above conditions must also be met to satisfy the safety and EMC requirements of the R&TTE Directive.

Inter-working is guaranteed only with Public Switched Telephone Networks (PSTNs) as described in the sections above.

Dialogic Declarations of Conformity for these products can be found at:

<http://www.dialogic.com/declarations/>

Manufacturer's office in European Union:

Dialogic Distribution Limited

Unit 4034

Citywest Business Campus

Saggart, Co. Dublin

IRELAND

Tel: +353 1 630 9000

Fax: +353 1 630 9099

Hereby, Dialogic Corporation, declares that this equipment is in compliance with the essential requirements and other relevant provisions of European Union Directives 1999/5/EC (R&TTE), 2004/108/EC (EMC Directive) and 2006/95/EC (Low Voltage Directive).

[Česky]

Dialogic Corporation tímto prohlašuje, že tento ITE je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES, 2004/108/ES, 2006/95/ES.

[Dansk]

Undertegnede Dialogic Corporation erklærer herved, at følgende udstyr ITE overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF, 2004/108/EF, 2006/95/EF.

[Deutsch]

Hiermit erklärt Dialogic Corporation, dass sich das Gerät ITE in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG, 2004/108/EG, 2006/95/EG befindet.

[Eesti]

Käesolevaga kinnitab Dialogic Corporation seadme ITE vastavust direktiivi 1999/5/EÜ, 2004/108/EÜ, 2006/95/EÜ, põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

[Español]

Por medio de la presente Dialogic Corporation declara que el ITE cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE, 2004/108/CE, 2006/95/CE.

[Ελληνική]

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[Français]

Par la présente Dialogic Corporation déclare que l'appareil ITE est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE, 2004/108/CE, 2006/95/CE.

[Italiano]

Con la presente Dialogic Corporation dichiara che questo ITE è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE, 2004/108/CE, 2006/95/CE.

[Latviski]

Ar ao Dialogic Corporation deklarē, ka ITE atbilst Direktīvas 1999/5/EK, 2004/108/EK, 2006/95/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

[Lietuvių]

Dialogic Corporation deklaruoja, kad ais ITE atitinka esminius reikalavimus ir kitas 1999/5/EB, 2004/108/EB, 2006/95/EB, Direktyvos nuostatas.

[Magyar]

Alulírott, Dialogic Corporation nyilatkozom, hogy a ITE megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EK, 2004/108/EK, 2006/95/EK, irányelv egyéb előírásainak.

[Malti]

Hawnhekk, Dialogic Corporation, jiddikjara li dan ITE jikkonforma mal-h- tig- jiet essenzjali u ma provvedimenti oh- rajn relevanti li hemm fid-Dirrettiva 1999/5/KE, 2004/108/KE, 2006/95/KE.

[Nederlands]

Hierbij verklaart Dialogic Corporation dat het toestel ITE in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG, 2004/108/EG, 2006/95/EG.

[Polski]

Niniejszym, Dialogic Corporation, oświadcza, że ITE jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/WE, 2004/108/WE, 2006/95/WE.

[Português]

Dialogic Corporation declara que este ITE está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE, 2004/108/CE, 2006/95/CE.

[Slovensko]

Dialogic Corporation izjavlja, da je ta ITE v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES, 2004/108/ES, 2006/95/ES.

[Slovensky]

Dialogic Corporation týmto vyhlasuje, že ITE spĺňa základné požiadavky a vaetky príslušné ustanovenia Smernice 1999/5/ES, 2004/108/ES, 2006/95/ES.

[Suomi]

Dialogic Corporation vakuuttaa täten että ITE tyyppinen laite on direktiivin 1999/5/EY, 2004/108/EY, 2006/95/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

[Svenska]

Härmed intygar Dialogic Corporation att denna ITE står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG, 2004/108/EG, 2006/95/EG.

[Íslenska]

Hér með lýsir Dialogic Corporation yfir því að ITE er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC, 2004/108/EC, 2006/95/EC.

[Norsk]

Dialogic Corporation erklærer herved at utstyret ITE er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF, 2004/108/EF, 2006/95/EF.

FCC Part 15 Class A statement

This board has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his or her own expense.

Canadian ICES-003 statement

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Australia

Dialogic is required to provide the following information as a condition of the telecommunications conformity of Dialogic® telecommunications products. You may also be responsible for meeting requirements other than those outlined in this document.

Note: Failure to meet the requirements listed may render the products non-compliant, with the user liable to significant penalties under the Telecommunications Act.

Do not connect these products directly to a telecommunications network. These products must be connected to a network terminating unit (NTU) or some other device that provides line isolation. This allows the carrier's telecommunications network to be electrically isolated from the product and host PC. These products are only to be connected to safety extra low voltage circuits. These products should only be connected to the safety extra low voltage (SELV) port of the network termination unit (NTU) or PBX that is providing the E-1 interface.

Japan

VCCI – Class A ITE. Class A Statement for Class A Products.

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用する
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。 **VCCI-A**

Translation: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. VCCI-A

Product declarations and global approvals

For information about product declarations and global approvals, refer to www.dialogic.com/declarations/default.htm.

RoHS Declaration of Conformity

For information about RoHS compliance for this product, refer to www.dialogic.com/rohs/default.htm.

Product environmental information

During August 2005, the European Union Directive on Waste Electrical and Electronic Equipment (2002/96/EC) and its amendment (2003/108/EC), collectively known as the WEEE Directive, came into force throughout most of the European Union. This Dialogic® product comes within the scope of the WEEE Directive. We are confident that this product will provide you with many years of reliable service. Moreover, we are pleased to advise you that Dialogic warrants this product, as detailed in the user guide and provides a fee based repair service when the product is out of warranty. However, a time will come when the product will no longer meet your needs or will become un-economic to repair. It is at that stage that we ask for your co-operation in recycling this product in the spirit of the WEEE directive.

Dialogic has taken great care to minimize the environmental burden of this product by careful design and manufacturing it under an Environmental Management System, registered to ISO14001. The requirements of ISO14001 are similar to and as rigorous as the requirements of ISO9001, Quality Management Systems with which you may be more familiar. We ask you to help us to ensure that the environmental burden of this product is minimized when it is of no further use to you by recycling it. Please do not dispose of this product through municipal or general waste systems because it contains materials which can be economically recycled. Like all electrical and electronic equipment, including televisions and computers, it may contain small amounts of materials which could lead to environmental damage. To minimize any environmental damage we ask you to have this product recycled by:

- Bringing it to the recycling collection point in your company
- Handing it into the store where you are purchasing the replacement
- Delivering it to a local bring-centre in your area

No charge can be imposed on you for this recycling service, in the European Union, as Dialogic has paid for recycling this product when it was placed on the market. These are requirements of the WEEE directive. We thank you in advance for your co-operation and working with Dialogic in protecting our environment.



Please do not dispose of this product through municipal or general waste, recycle it.

Limited warranty

For warranty information, refer to www.dialogic.com/warranties.