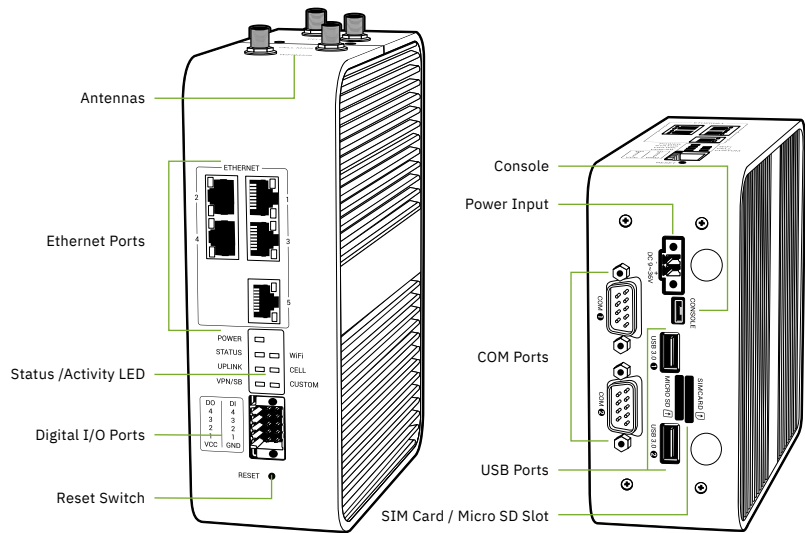


Quickstart Guide

Endian Edge XL



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What You Have and What You Need

Depending on the model, the box contains:

- ✓ Endian Appliance
- ✓ a VESA plate for wall installation

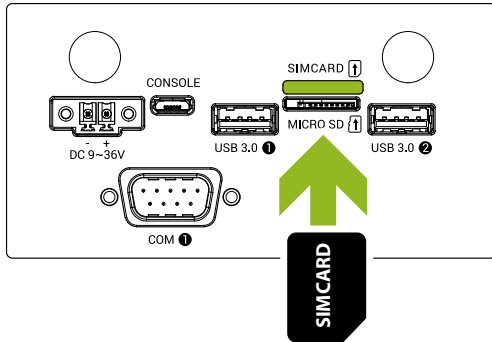
To install your Endian appliance and protect your network you need:

- ✓ Power connection
- ✓ Network connection

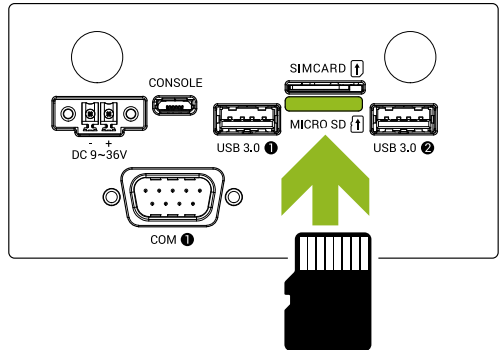
Optional Kits:

- ✓ Desktop Kit: a Power Adaptor (12V) and US/EU Power Cords
- ✓ DIN Rail Kit: DIN Rail mounting kit
- ✓ 4G Kit: 2x 4G Antennas

How to Install the SIM card



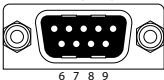
How to Install the microSD

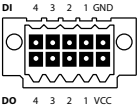


LED Table

Color	-	GREEN			BLUE			RED	
Status	OFF	Solid	Slow Blinking	Flashing	Solid	Slow Blinking	Fast blinking	Solid	Flashing
Power	No Power	Power On	-	-	-	-	-	-	-
Status	-	System up	Support Access Enabled	Provisioning	System boot (Bootloader)	System boot (Kernel)	System boot (Operating System)	-	Fatal Error
Uplink	-	Main uplink online	-	-	Secondary uplink online	-	-	All uplinks offline	-
VPN/SB	Not Configured or Enabled OpenVPN Client or Connecting	At least 1 Enabled OpenVPN Client Connection Established	-	-	-	-	-	All Enabled OpenVPN Client Connections in Error Status	-

Connector Pinout Table

COM Port	Pin	RS232	RS485	RS422
	1	DCD	DATA -	TX-
	2	RXD	DATA +	TX+
	3	TXD		RX+
	4	DTR		RX-
	5	GND	GND	GND
	6	DSR		
	7	RTS		
	8	CTS		
	9	RI		

Digital I/O	Pin	REF
	GND	GND
	DI 1	INPUT 0
	DI 2	INPUT 1
	DI 3	INPUT 2
	DI 4	INPUT 3
	VCC	VCC (IN)
	DO 1	OUTPUT 0
	DO 2	OUTPUT 1
	DO 3	OUTPUT 2
	DO 4	OUTPUT 3

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Installation

A DHCP server is running on Ethernet port 1 of your appliance. If you already have a DHCP server in your local network make sure to connect your computer directly to Ethernet port 1, go through the installation procedure and connect the appliance to your local network only after having disabled the DHCP server.

1. Place the appliance on a steady surface or attach it to the DIN rail.
2. Connect your computer to Ethernet port 1.
3. Connect the port 5 of your device appliance to the uplink. The appliance will automatically try to connect to the Internet via DHCP once turned on. If you are using a mobile broadband connection and you have the 4G modem, insert your SIM card now.
4. Connect the DC power socket to the unit. The appliance turns ON.



If your device was preconfigured using the Plug & Connect feature, there are no additional steps to complete (you can skip the Web Interface section below). You can check that the Plug & Connect procedure completed successfully by accessing your Endian Switchboard and verifying your device is listed as online and available.

Web Interface

1. After booting the appliance your PC will automatically get an IP address from the Endian appliance.



If your computer is not set up to configure its IP address through DHCP you will need to configure your PC's Ethernet interface manually. In that case configure your interface with an IP address belonging to the 192.168.0.0/24 subnet that is different from 192.168.0.15 (which is the IP address of the Endian appliance).

2. Open your Internet browser (e.g. Mozilla Firefox) and go to address 192.168.0.15

The system will redirect you to <https://192.168.0.15:10443/> and the Configuration Wizard will start, and you need to select your language and accept the License.

Choose Your Configuration Mode

You have 3 choices:

1. **Plug & Connect:** if you have an Endian Switchboard this is the easiest way to connect and activate your Endian appliance



You (or someone from your company) must initially configure your device on the Switchboard in order to utilize the Plug & Connect feature (for more info please go to help.endian.com and look for the “The Plug And Connect Autoregistration Procedure” article)

2. **Restore a Backup:** choose this mode if you have any existing backup to restore.
3. **Setup Assistant:** if you want to configure your appliance manually with the configuration wizard, choose this mode and follow the steps.

Endian Network Account

The Configuration Assistant will ask you for an Endian Network account, needed for your Endian Network subscription and keep your appliance always up-to-date with the latest features and security updates.

A. You already have an Endian Network account

1. When the system asks you if you have an Endian Network account choose “yes” and go to the next step.
2. Now fill in the form using your data and the activation code.

B. You do not have an Endian Network account

1. When the system asks you if you have an Endian Network account choose “no” and go to the next step.
2. Click on the “Endian Network account” link and insert the activation code on the back of this Quick Start.
3. Fill in the registration form and create your account.
4. Close the registration window and go to the next step.
5. Now fill in the form using your data and the activation code.

Your Endian appliance is now ready!

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Regulatory Notices

European Conformity (CE) - EU

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

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Simplified EU Declaration of Conformity

This declaration is only valid for Endian products (including combinations of software, firmware and hardware) provided by Endian or Endian's authorized partners to the end-customer directly for use within the EU or countries that have implemented the EU Directives and/or spectrum regulation. Any Endian products not obtained directly from Endian or Endian's authorized partners may not comply with EU Directives and Endian makes no assurances for such products.

Deutsch Dieses Produkt entspricht der Richtlinie 2014/30/EU

English This product is in compliance with Directive 2014/53/EU

Italiano Questo prodotto è conforme alla Direttiva 2014/53/EU.

Português Este produto está em conformidade com a Diretiva 2014/53/UE

Ελληνική Το προϊόν αυτό συμμορφώνεται με την Οδηγία 2014/53/ΕΕ.

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Standard	Frequency Range	Transmit Power
LTE	Band 1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink)	(24dBm+1/-3dB)
LTE	Band 3: 1710-1785MHz(Uplink); 1805-1880MHz(Downlink)	(24dBm+1/-3dB)
LTE	Band 8: 880-915MHz(Uplink); 925-960MHz(Downlink)	(24dBm+1/-3dB)
LTE	Band 20: 832-862MHz(Uplink); 791-821MHz(Downlink)	(24dBm+1/-3dB)
LTE	Band 7: 2500-2570MHz(Uplink); Band 7 & CA Band 4: 2620-2690MHz(Downlink)	(24dBm+1/-3dB)

Federal Communication Commission (FCC) – USA

This device complies with FCC Rules Part 15. 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.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the Federal Communications Commission (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 and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by doing one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-003 (A) / NMB-003 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

(FR) Cet appareil numérique n'émet pas de bruits radioélectriques

dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicte par le ministère des Communications du Canada.

The full declaration of conformity can be found here:

<https://www.endian.com/en/product-regulatory/>

EN

Cautions and Warnings

Environmental specifications

Extended operating temperature: -20°C to +70°C

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature and Humidity)

Safety

Please read the following safety instructions carefully. It is advised that you keep this manual for future references

1. All cautions and warnings on the device should be noted.
2. Make sure the power source matches the power rating of the device.
3. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
4. Always completely disconnect the power before working on the system's hardware.
5. No connections should be made when the system is powered as a sudden rush of power may damage sensitive electronic components.
6. If the device is not to be used for a long time, disconnect it from the power supply to avoid damage by transient over-voltage.
7. Always disconnect this device from any AC supply before cleaning.
8. While cleaning, use a damp cloth instead of liquid or spray detergents.
9. Make sure the device is installed near a power outlet and is easily accessible.
10. Keep this device away from humidity.
11. Place the device on a solid surface during installation to prevent falls
12. Do not cover the openings on the device to ensure optimal heat dissipation.

13. Watch out for high temperatures when the system is running.
14. Do not touch the heat sink or heat spreader when the system is running
15. Never pour any liquid into the openings. This could cause fire or electric shock.
16. As most electronic components are sensitive to static electrical charge, be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and contain all electronic components in any static-shielded containers.
17. If any of the following situations arises, please the contact our service personnel:
 - Damaged power cord or plug
 - Liquid intrusion to the device
 - Exposure to moisture
 - Device is not working as expected or in a manner as described in this manual
 - The device is dropped or damaged
 - Any obvious signs of damage displayed on the device
18. DO NOT LEAVE THIS DEVICE IN AN UNCONTROLLED ENVIRONMENT WHERE THE STORAGE TEMPERATURE IS BELOW -40° C (-40°F) OR ABOVE 80°C (176°F) TO PREVENT DAMAGE.

Warning

- Installation must be performed by qualified personnel only and must conform to all local codes
- do not open or disassemble the device. There are no user serviceable parts
- The coin cell battery is not replaceable
- Refer all servicing to qualified personnel. Servicing may be required when the device has been damaged, dropped, exposed to moisture, or does not operate normally
- Only use the power adapter supplied with your system
- Connect the power adapter by means of a power cord connected to a socket-outlet with earthing connection

Caution

- Do not subject cables to excessive stress, heavy loads or pinching
- Do not operate in dusty areas
- This device is indoor use only

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- Do not expose this product to rain or use near water. If this product accidentally gets wet, unplug it immediately
- Keep product surfaces clean and dry. To clean the outside case of the device, gently wipe using a lightly dampened cloth (only use water, do not use solvents)
- Do not install near any sources of vibration, such as motors
- Do not install near heat sources such as radiators or other sources of heat
- Do not block ventilation openings located on the device enclosure as they are designed to keep the system cool while running. Install or place this product in an area where there is ample air condition
- Do not insert anything into the the device ventilation openings
- Keep this safety instructions
- There is a danger of explosion if the 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 and your local government's recycling or disposal directives.

DE

Vorsichtsmaßnahmen und Warnhinweise

Umgebungsspezifikationen

Umgebungstemperatur im Betrieb: -20°C bis +70°C

Bitte beachten Sie das spezifische Produktdatenblatt für Umweltspezifikationen (Betriebstemperatur, Lagertemperatur und Luftfeuchtigkeit).

Sicherheit

Bitte lesen Sie die folgenden Sicherheitshinweise sorgfältig durch. Es wird empfohlen, dieses Handbuch für zukünftige Referenz aufzubewahren.

1. Alle Vorsichtsmaßnahmen und Warnhinweise am Gerät sind zu beachten.
2. Stellen Sie sicher, dass die Stromquelle der Leistungsaufnahme des Geräts entspricht.
3. Verlegen Sie das Netzkabel so, dass niemand darauf treten kann.

Legen Sie keine Gegenstände auf das Netzkabel.

4. Trennen Sie vor Arbeiten an der Hardware des Systems immer vollständig die Stromversorgung.
5. Es dürfen keine Verbindungen hergestellt werden, während das System eingeschaltet ist, da ein plötzlicher Stromstoß empfindliche elektronische Bauteile beschädigen kann.
6. Wenn das Gerät längere Zeit nicht verwendet wird, trennen Sie es von der Stromversorgung, um Schäden durch Überspannungen zu vermeiden.
7. Trennen Sie dieses Gerät vor jeder Reinigung vom Netzstrom.
8. Verwenden Sie zum Reinigen ein leicht feuchtes Tuch anstelle von Flüssig- oder Sprühreinigern.
9. Stellen Sie sicher, dass das Gerät in der Nähe einer Steckdose installiert ist und leicht zugänglich bleibt.
10. Halten Sie das Gerät von Feuchtigkeit fern.
11. Stellen Sie das Gerät während der Installation auf eine stabile, feste Oberfläche, um ein Herunterfallen zu verhindern.
12. Decken Sie die Öffnungen des Geräts nicht ab, um eine optimale Wärmeabfuhr zu gewährleisten.
13. Achten Sie beim Betrieb des Systems auf hohe Temperaturen.
14. Berühren Sie während des Betriebs weder Kühlkörper noch Wärmeverteiler.
15. Gießen Sie niemals Flüssigkeit in die Öffnungen des Geräts; dies könnte einen Brand oder Stromschlag verursachen.
16. Da die meisten elektronischen Komponenten empfindlich gegenüber statischer Elektrizität sind, erden Sie sich beim Installieren interner Komponenten. Verwenden Sie ein Erdungsarmband und bewahren Sie alle elektronischen Komponenten in antistatischen Behältern auf.
17. Falls eine der folgenden Situationen eintritt, wenden Sie sich bitte an unser Servicepersonal:
 - Beschädigtes Netzkabel oder Stecker
 - Eindringen von Flüssigkeit in das Gerät
 - Kontakt des Geräts mit Feuchtigkeit
 - Das Gerät arbeitet nicht wie erwartet oder nicht wie in diesem Handbuch beschrieben
 - Das Gerät wurde fallen gelassen oder beschädigt
 - Offensichtliche Beschädigungen am Gerät

18. LASSEN SIE DIESES GERÄT NICHT IN EINER UNKONTROLLIERTEN UMGEBUNG, IN DER DIE LAGERTEMPORATUR UNTER -40°C (-40°F) ODER ÜBER 80°C (176°F) LIEGT, UM SCHÄDEN ZU VERMEIDEN.

Warnung

- Die Installation darf nur von qualifiziertem Personal durchgeführt werden und muss allen örtlichen Vorschriften entsprechen.
- Öffnen oder zerlegen Sie das Gerät nicht. Es sind keine vom Benutzer wartbaren Teile enthalten.
- Die Knopfzelle ist nicht austauschbar.
- Überlassen Sie sämtliche Wartungsarbeiten qualifiziertem Personal. Eine Wartung kann erforderlich sein, wenn das Gerät beschädigt, fallen gelassen, Feuchtigkeit ausgesetzt wurde oder nicht ordnungsgemäß funktioniert.
- Verwenden Sie ausschließlich das mitgelieferte Netzteil.
- Schließen Sie das Netzteil über ein Netzkabel an eine Steckdose mit Erdungskontakt an.

Vorsicht

- Setzen Sie Kabel keinen übermäßigen Belastungen, Knicken oder Druck aus.
- Betreiben Sie das Gerät nicht in staubigen Bereichen.
- Dieses Gerät ist nur für den Innenbereich vorgesehen.
- Setzen Sie das Produkt weder Regen noch Wasser aus. Sollte es versehentlich nass werden, ziehen Sie sofort den Netzstecker.
- Halten Sie die Oberflächen des Produkts sauber und trocken. Zum Reinigen des Außengehäuses verwenden Sie ein leicht feuchtes Tuch (nur Wasser, keine Lösungsmittel).
- Installieren Sie das Gerät nicht in der Nähe von Vibrationsquellen wie Motoren.
- Installieren Sie es nicht in der Nähe von Wärmequellen wie Heizkörpern oder anderen Wärmequellen.
- Blockieren Sie nicht die Lüftungsöffnungen am Gehäuse des Geräts, da diese für die Kühlung während des Betriebs vorgesehen sind. Platzieren Sie das Produkt in einem Bereich mit ausreichender Luftzirkulation.
- Führen Sie keine Gegenstände in die Lüftungsöffnungen des Geräts ein.
- Bewahren Sie diese Sicherheitshinweise auf.
- Es besteht Explosionsgefahr, wenn die Batterie falsch ersetzt wird. Ersetzen Sie sie nur durch denselben oder einen gleichwertigen

Typ, der vom Hersteller empfohlen wird. Entsorgen Sie gebrauchte Batterien gemäß den Anweisungen des Herstellers und den örtlichen Recycling- oder Entsorgungsvorschriften.

IT

Precauzioni e avvertenze

Specifiche ambientali

Temperatura ambiente di esercizio: -20°C a $+70^{\circ}\text{C}$

Fare riferimento al Data Sheet specifico del prodotto per le specifiche ambientali (temperatura di esercizio, temperatura di stoccaggio e umidità).

Sicurezza

Si prega di leggere attentamente le seguenti istruzioni di sicurezza.

Si consiglia di conservare questo manuale per future consultazioni

- Tutte le avvertenze e precauzioni presenti sul dispositivo devono essere osservate.
- Assicurarsi che la fonte di alimentazione corrisponda al valore di tensione del dispositivo.
- Posizionare il cavo di alimentazione in modo che nessuno possa calpestarlo. Non collocare oggetti sopra il cavo di alimentazione.
- Scollegare sempre completamente l'alimentazione prima di intervenire sull'hardware del sistema.
- Non effettuare connessioni quando il sistema è acceso, poiché un improvviso flusso di corrente potrebbe danneggiare componenti elettronici sensibili.
- Se il dispositivo non viene utilizzato per un lungo periodo, scollegarlo dall'alimentazione per evitare danni dovuti a sovratensioni transitorie.
- Scollegare sempre questo dispositivo da qualsiasi alimentazione AC prima della pulizia.
- Per la pulizia utilizzare un panno leggermente umido invece di detersivi liquidi o spray.
- Assicurarsi che il dispositivo sia installato vicino a una presa di corrente e sia facilmente accessibile.
- Tenere il dispositivo lontano dall'umidità.

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11. PCollocare il dispositivo su una superficie solida durante l'installazione per evitare cadute.
12. Non coprire le aperture del dispositivo per garantire una corretta dissipazione del calore.
13. Prestare attenzione alle alte temperature quando il sistema è in funzione.
14. Non toccare il dissipatore o il diffusore di calore quando il sistema è in funzione.
15. Non versare mai liquidi nelle aperture del dispositivo; ciò potrebbe causare incendio o scosse elettriche.
16. Poiché la maggior parte dei componenti elettronici è sensibile alle cariche elettrostatiche, assicurarsi di essere a terra per prevenire scariche statiche durante l'installazione dei componenti interni. Utilizzare un braccialetto di messa a terra e contenere tutti i componenti elettronici in appositi contenitori schermati antistatici.
17. Contattare il nostro personale di assistenza in caso di una delle seguenti situazioni:
 - Cavo di alimentazione o spina danneggiati
 - Infiltrazione di liquidi nel dispositivo
 - Esposizione del dispositivo all'umidità
 - Il dispositivo non funziona come previsto o come descritto in questo manuale
 - Il dispositivo è caduto o è stato danneggiato
 - Presenza di danni evidenti sul dispositivo
18. NON LASCIARE QUESTO DISPOSITIVO IN UN AMBIENTE NON CONTROLLATO DOVE LA TEMPERATURA DI STOCCAGGIO È INFERIORE A -40 °C (-40 °F) O SUPERIORE A 80 °C (176 °F) PER EVITARE DANNI.

Avvertenza

- L'installazione deve essere eseguita solo da personale qualificato e conforme a tutte le normative locali.
- Non aprire né smontare il dispositivo. Non ci sono parti riparabili dall'utente.
- La batteria a bottone non è sostituibile.
- Rivolgersi sempre a personale qualificato per la manutenzione. La manutenzione può essere necessaria se il dispositivo è stato danneggiato, è caduto, è stato esposto all'umidità o non funziona correttamente.

- Utilizzare solo l'alimentatore fornito con il sistema.
- Collegare l'alimentatore tramite un cavo di alimentazione a una presa con collegamento di terra.

Precauzioni

- Non sottoporre i cavi a tensioni eccessive, carichi pesanti o schiacciamenti.
- Non utilizzare il dispositivo in ambienti polverosi.
- Questo dispositivo è destinato esclusivamente all'uso interno.
- Non esporre questo prodotto alla pioggia o utilizzarlo vicino all'acqua. Se si bagna accidentalmente, scollegarlo immediatamente.
- Mantenere le superfici del prodotto pulite e asciutte. Per pulire l'involucro esterno del dispositivo, passare delicatamente con un panno leggermente umido (usare solo acqua, non solventi).
- Non installare vicino a fonti di vibrazioni, come motori.
- Non installare vicino a fonti di calore come radiatori o altre sorgenti termiche.
- Non ostruire le aperture di ventilazione presenti sul dispositivo, progettate per mantenerlo fresco durante il funzionamento. Installare o collocare questo prodotto in un'area con adeguata circolazione d'aria.
- Non inserire alcun oggetto nelle aperture di ventilazione del dispositivo.
- Conservare queste istruzioni di sicurezza.
- Vi è il rischio di esplosione se la batteria viene sostituita in modo errato. Sostituirla solo con lo stesso tipo o con un equivalente consigliato dal produttore. Smaltire le batterie usate secondo le istruzioni del produttore e le direttive locali sul riciclaggio o lo smaltimento.

