
PRODUCT SUPPORT

CSL Outpost

Updated October 21, 2026



Outpost is a fully managed service that bonds up to four mobile connections, plus satellite and fixed-line where needed, into one resilient link. You get more bandwidth than a single connection, and if one network fails, your site stays online. It is the ideal solution for tough sites, including remote, temporary and high-risk locations.

Installed by CSL's field engineers or coordinated with your team, installation is straightforward, and Outpost can be configured and reconfigured in the field. Working in conjunction with our Service Delivery Team, everything is configured remotely, and no technical knowledge is required. Once in service, everything is secured and monitored through CSL's NOC.

Latest information

<https://www.csl-group.com/support/csl-outpost/>

Quick Guide

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INSTALLATION

In most cases, CSL Outpost is installed by CSL Field Engineers. If not, it is delivered ready to receive a configuration from our Service Desk. Before you contact them, please observe the following:

1. Ensure the installation location has AC power and space to install the antennae. Choose a location with good 4G coverage – use a CSL Signal Analyser or similar to check. Keep away from sources of interference such as microwaves, fridges, etc.
2. Connect one “big” (high-gain) and one “little” (standard) antenna to the adjacent SMA connectors for each module. For external antennas, connect both antenna leads to adjacent connectors on the same module.
3. Connect the supplied 12V power supply to power and connect to the Outpost 12V socket. Only use the supplied power supply. **Warning: Failure to follow these instructions may result in hardware damage.**
4. Power on via the black rocker switch at the rear and ensure the blue light at the front illuminates.
5. Call support on 0333 1014101 with information including the installation location and the asset number on the side.
6. Once commissioning has completed, support staff will talk you through the testing procedure, which will differ based on the network configuration.

Troubleshooting

Before calling support, please check the following:

- Ensure power is connected and the blue light is on at the front of the unit.
- If not, press the silver button on the front and the light should come on.
- If it does not, check that the rocker switch on the rear of the unit is flipped to the “I” position.
- Check the power socket and, if possible, confirm that it works with another device.

If the device does not power on, or if it does power on and you aren’t receiving the expected connectivity, please contact our support team on 0333 1014101.

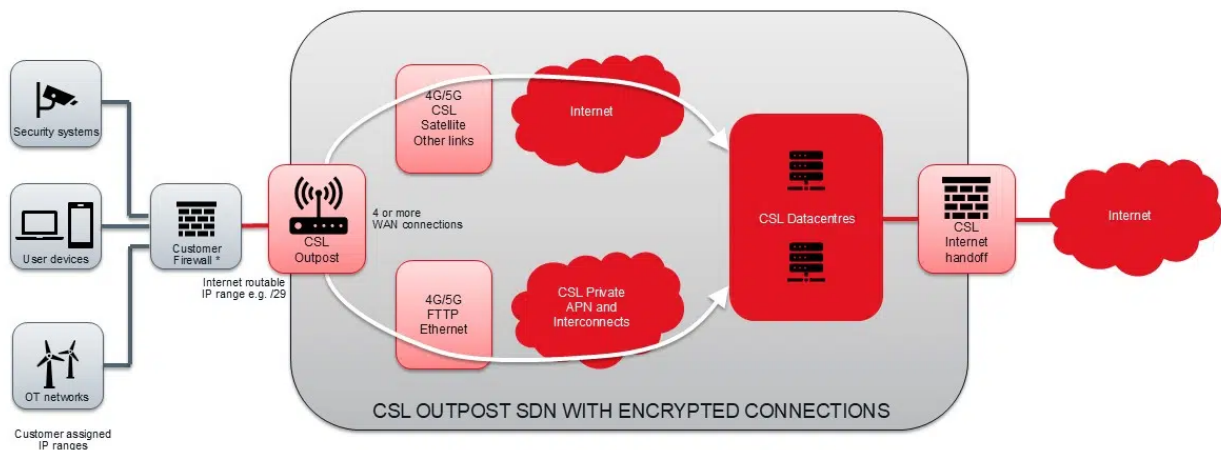
Technical Specs

CPU	Dual Core Intel®
RAM	16GB DDR4
Storage	512GB SSD
Ethernet	4 x 1Gbe (2 x 802.3af POE)
Wi-Fi WAN	Wi-Fi 6 (802.11ax)
Battery backup	4,500mAh LiFePO4
LTE radio technology	4 x LTE-A or 5G NR
Antenna connections	8 to 13 SMA male for LTE/5G NR and Wi-Fi
LED's	Single operating LED (power)
Monitoring options	CSL monitored with customer portal
Dimensions	230 mm (l) x 165mm (w) x 55mm (d)
Operating temperature	-20 to 70°C
Power	12V

Network Diagrams

Network Diagrams

Figure 1 – Public Internet-facing connection



* Physical firewall appliance or VM hosted on Outpost

[CLICK HERE TO VIEW ENLARGED DIAGRAM](https://www.csl-group.com/wp-content/uploads/2025/07/Outpost-Network-Diagram-Public-Internet-facing-connection.jpg) (https://www.csl-group.com/wp-content/uploads/2025/07/Outpost-Network-Diagram-Public-Internet-facing-connection.jpg)

The diagram illustrates the CSL Outpost SDN architecture. On the left, customer devices (Security systems, User devices, OT networks) connect to a LAN Switch via Segregated VLANs. The LAN Switch connects to the CSL Outpost. The CSL Outpost has 4 or more WAN connections (4G/5G CSL Satellite, Other links, 4G/5G FTTP Ethernet) to the Internet and CSL Private APN and Interconnects. The CSL Outpost connects to the CSL Datacentres. The CSL Datacentres connect to the CSL-hosted Firewall. The Firewall connects to the Internet, Customer "on-prem" systems, and Customer private cloud (e.g., Azure, AWS). The entire system is labeled CSL OUTPOST SDN WITH ENCRYPTED CONNECTIONS.

Customer agreed IP ranges

Can be any RFC1918 range e.g. 10.0.0.0/8 with each site fully accessible and routed to your corporate network and/or private cloud

[CLICK HERE TO VIEW ENLARGED DIAGRAM](https://www.csl-group.com/wp-content/uploads/2025/07/Outpost-Network-Diagram-Multiple-Sites-on-Private-WAN.jpg) (https://www.csl-group.com/wp-content/uploads/2025/07/Outpost-Network-Diagram-Multiple-Sites-on-Private-WAN.jpg)

FAQs

What is the difference between CSL's range of IoT Routers and CSL Outpost?

The full CSL Router portfolio is designed to solve many different problems for customers. CSL Outpost offers a more software-defined approach to networking and being tightly integrated into our network core allows a wide range of different configurations, including:

- Fully routed public IP's with integrated next-generation firewalls
- Fully routed private networks (an "IP-VPN")
- Multi-tenant networks and combinations of the above

CSL Outpost also offers on-board virtualisation and compute, allowing you to move your cloud workloads closer to the source of the information.

Outpost is also more suited to high data usage applications, as it comes with SIMs with higher included data allowances.

How fast is CSL Outpost connection?

This is entirely dependent on the performance of the networks at the installation location but assuming an all-4G deployment, you can expect about 3x the performance of the best network.

How quick does CSL Outpost recover from a network failure?

Typically, the fault tolerance is sub-second and the end user isn't aware.

Does the IP address change if the carrier changes, such as from one 4G connection to another?

No – the IP addresses are provided by the *SDN overlay*, the underlying connections don't affect the IP addresses you see at all.

Can CSL Outpost supply a Wi-Fi connection?

CSL Outpost comes with 2 POE ports for connecting Wi-Fi access points, which are managed by CSL. The included Wi-Fi is typically used as a WAN, though it can be configured as an integrated access point if an external access point is not suitable. A fully configured and supported site-wide network can be added if required.

Can I change the settings on my CSL Outpost?

CSL Outpost should be looked at as a piece in the larger network ecosystem that provides your connection. For that reason, we don't allow any third-party access to the underlying operating system. If there are any particular network configurations you would like to discuss, please get in touch with the dedicated support channel.

What SIMs can be used in CSL Outpost?

When installed by a CSL field engineer, we include the most appropriate networks for the location, which can be any mix of the four UK MNO's based on the actual performance benchmarked on site at the time. When self-installed, SIMs are chosen based on a remote desktop survey.

Do you use roaming SIMs?

In the majority of circumstances, to get the best balance between price and performance we use fixed network SIMs but as we have 4 active 4G modems in each unit, we use a mix of networks to provide the best performance and fault tolerance.

What warranty is supplied?

Warranty is subject to our full [T&Cs](https://www.csl-group.com/terms-and-conditions/). (<https://www.csl-group.com/terms-and-conditions/>)

Can you port forward?

The exact network setup will be based on exactly what you require! Please contact us to discuss exactly how this can work for you.

How long does the onboard battery last for?

The battery is designed to bridge smaller power outages or less reliable sources like generators. It has about 45m of runtime under normal circumstances.

What operating systems can be virtualised?

As we provide full virtualisation, any operating system can theoretically be used, including Windows and Linux.

What are the compute options?

Each CSL Outpost can be fitted with one or two Google Coral Tensor Processing Units (TPU), providing up to 8 TOPS. This is typically used in machine vision applications, such as face and object recognition, ANPR and more.

Does Outpost have a firewall?

Depending on the network design, a firewall can either be provided at the edge of our network and protect all your CSL Outpost installations or can be included on the CSL Outpost itself. These firewalls can be managed by ourselves or access can be given to your network team.

If you have a preferred firewall vendor, we can usually offer this too!
