

Contact Information

Corporate Headquarters:
Palo Alto Networks
3000 Tannery Way
Santa Clara, CA 95054
www.paloaltonetworks.com/company/contact-support

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Before You Begin

- Tamper Proof Statement
- Third-Party Component Support
- Product Safety Warnings

Tamper Proof Statement

To ensure that products purchased from Palo Alto Networks were not tampered with during shipping, verify the following upon receipt of each product:

- The tracking number provided to you electronically when ordering the product matches the tracking number that is physically labeled on the box or crate.
- The integrity of the tamper-proof tape used to seal the box or crate is not compromised.
- The integrity of the warranty label on the firewall or appliance is not compromised.

Third-Party Component Support

Before you consider installing third-party hardware, read the Palo Alto Networks Third-Party Component Support statement.

Product Safety Warnings

To avoid personal injury or death for yourself and others and to avoid damage to your Palo Alto Networks hardware, be sure you understand and prepare for the following warnings before you install or service the hardware. You will also see warning messages throughout the hardware reference where potential hazards exist.



All Palo Alto Networks products with laser-based optical interfaces comply with 21 CFR 1040.10 and 1040.11.

The following safety warnings apply to all Palo Alto Networks firewalls and appliances, unless a specific hardware model is specified.

- When installing or servicing a Palo Alto Networks firewall or appliance hardware component that has exposed circuits, ensure that you wear an electrostatic discharge (ESD) strap. Before handling the component, make sure the metal contact on the wrist strap is touching your skin and that the other end of the strap is connected to earth ground.
 - French Translation: Lorsque vous installez ou que vous intervenez sur un composant matériel de pare-feu ou de dispositif Palo Alto Networks qui présente des circuits exposés, veillez à porter un bracelet antistatique. Avant de manipuler le composant, vérifiez que le contact métallique du bracelet antistatique est en contact avec votre peau et que l'autre extrémité du bracelet est raccordée à la terre.
- Use grounded and shielded Ethernet cables to ensure agency compliance with electromagnetic compliance (EMC) regulations.
 - **French Translation:** Des câbles Ethernet blindés reliés à la terre doivent être utilisés pour garantir la conformité de l'organisme aux émissions électromagnétiques (CEM).
- WAN and LAN ethernet ports are suitable for interconnection to other local device ethernet
 ports. These ports are not designed for direct connection to Public Switched Telephone
 Network (PSTN) ports or interfaces. In addition, copper-based WAN ports, LAN ports, and
 copper-based modular transceivers are not rated to connect to telecommunications Outside
 Plant (OSP) cabling.
- I/O ports are intended for intra-building connections only and not intended for OSP (Outside Plant) connections or any network connections subject to external voltage surge events.

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(All Palo Alto Networks appliances with two or more power supplies)

Caution: Shock hazard

Disconnect all power cords (AC or DC) from the power inputs to fully de-energize the hardware.

French Translation: (Tous les appareils Palo Alto Networks avec au moins deux sources d'alimentation) Débranchez tous les cordons d'alimentation (c.a. ou c.c.) des entrées d'alimentation et mettez le matériel hors tension.

- Radio Frequency (RF) Radiation Exposure Warning: Hazardous Radiation Exposure Warning
 —Adjustments or procedures other than those specified may result in hazardous RF radiation exposure. A minimum distance of 20cm (7.87in) must be maintained between the operating radio antennas and personnel.
- **Antenna Installation Warning:** To avoid hazardous RF radiation exposure, ensure the device is switched off when installing or changing antennas.
- Cellular Devices: The USB 2.0 port on the cellular device is used for maintenance only.
- International Statements and Information Pertaining to Radio Products
 - Information on compliance to RF exposure guidelines: The Palo Alto Networks cellularenabled devices are designed to comply with the following national and international standards on human RF exposure. To ensure compliance with these RF exposure standards, the device is advised to be operated only with Palo Alto Networks approved antennas and accessories.
 - US 47 Code of Federal Regulations Part 2
 - American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers / IEEE C 95.1 (99)
 - International Commission on Non-Ionizing Radiation Protection (ICNIRP) 98
 - Ministry of Health (Canada) Safety Code 6, Limits on Human Exposure to Radio Frequency Fields in the range from 3KHz to 300GHz
 - Australia Radiation Protection Standard
 - International Guidelines for Exposure to Radio Waves: The cellular enabled devices include a radio transmitter and receiver. It is designed not to exceed the limits for exposure to RF radiation specified in ICNIRP guidelines that were devised to include a substantial safety margin to ensure the safety of all persons, regardless of age and health.
 - The World Health Organization has stated that current scientific information does not indicate a need for special precautions for wireless devices. They also recommend that further exposure reductions are possible by orienting antennas away from personnel or by increasing the separation distance.
 - Additional Information on RF Exposure:
 - FCC Bulletin 56: Questions and Answers about Biological Effects and Potential Hazards of Radio Frequency Electromagnetic Fields
 - FCC Bulletin 65: Evaluating Compliance with the FCC guidelines for Human Exposure to Radio Frequency Electromagnetic Fields
 - FCC Bulletin 65C (01-01): Evaluating Compliance with the FCC guidelines for Human Exposure to Radio Frequency Electromagnetic Fields: Additional Information for Evaluating Compliance for Mobile and Portable Devices with FCC limits for Human Exposure to Radio Frequency Emission
 - World Health Organization Internal Commission on Non-Ionizing Radiation Protection at this URL: https://www.who.int/initiatives/the-international-emf-project
 - United Kingdom, National Radiological Protection Board at this URL: www.nrpb.org.uk
 - Cellular Telecommunications Association at this URL: www.ctia.org/
 - The Mobile and Wireless Forum (MWF) at this URL: www.emfhealth.info/index.cfm

• National Statements and Information Pertaining to Radio Products

- US
 - RF Exposure Warning: This equipment was evaluated to FCC radio frequency (RF) exposure limits set forth for an uncontrolled environment. To comply with FCC exposure limits, antennas for this product must be located at a distance of a minimum of 20cm (7.87in) or more from all persons.
 - Product Modification Warning: The radio contained in this product operates with
 other devices in this frequency band and with other services operating within the radio
 spectrum. Any changes or modifications to the product without approval from Palo
 Alto Networks could void the user's authority to operate the device. Such modifications
 include the use of non-approved antennas, accessories, or amplifiers. The radio has been
 evaluated under FCC Bulletin OET 65C and found compliant to the requirements as set
 forth in CFR 47 Sections 2.1091.
 - **Cellular Products:** This device operates under the authority of a licensed radio service under 47 Code of Federal Regulations Parts 22, 24, and 27.
 - **FCC Co-location:** This product must not be co-located or operate in conjunction with another radio.
 - FCC Guidelines for Exposure to Radio Waves: The cellular enabled devices include a radio transmitter and receiver. It is designed not to exceed the limits for exposure to RF radiation specified in FCC Part 1.1310. The FCC guidelines are based on IEEE ANSI C 95.1 (92) and include a substantial safety margin to ensure the safety of all persons, regardless of age and health. The device has been tested and found compliant with the applicable regulations as part of the radio certification process. The US Food and Drug Administration (FDA) has stated that current scientific information does not indicate a need for special precautions for wireless devices. The FCC recommends that further exposure reductions are possible [1] by orienting antennas away from personnel, [2] by increasing the separation distance.

Canada

• Industry Canada Radio Interference Statement: This device contains transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development (ISED) Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

This device may not cause interference.

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

French Translation: L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:L'appareil ne doit pas produire de brouillage.L'appareil doit

accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

- **RF Exposure Warning:** This equipment complies with ISED RF exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 20cm (7.87in) between personnel and the radio antennas.
- **ISED Co-location:** This product must not be co-located or operate in conjunction with another radio.
- Industry Canada Guidelines for Exposure to Radio Waves: The cellular enabled devices
 include a radio transmitter and receiver. It is designed not to exceed the limits for
 exposure to RF radiation as referenced in Health Canada Safety Code 6. Those guidelines
 include a substantial safety margin to ensure the safety of all persons, regardless of age
 and health.

Health Canada states that current scientific information does not indicate a need for special precautions for wireless devices. Health Canada recommends that further exposure reductions are possible [1] by orienting antennas away from personnel or [2] by increasing the separation distance.

The systems are designed to be operated to avoid contact with the antennas by the user. It is recommended to set the system in a location where the antennas can remain at least a minimum distance as specified from the user in accordance with the regulatory guidelines which are designed to reduce the exposure to the user.

EU

This equipment is intended to be used in all EU and EFTA countries. Outdoor use may be restricted to certain frequencies and/or may require a license for operation. The use of wireless devices in hazardous locations is limited to the constraints posed by the safety directors of such environments. The use of a portable device may be restricted in some locations.

The use of wireless devices in hospitals is restricted to the limits set forth by each hospital. The use of software or firmware not supported/provided by the manufacturer may result in the equipment being no longer compliant with the regulatory requirements.

• Australia and New Zealand

To ensure compliance with RF exposure standards, the system must only be operated with Palo Alto Networks approved antennas and accessories.

To ensure compliance with exposure limits to radio frequency fields, the antenna must be no closer than 20cm (7.87in) from personnel.

Radio communications devices are sometimes used for radio applications with commercial or safety of life implications. Users of such applications are encouraged to have particular regard to the suitability of operating under the Australian Radio communications Class License for their radio communications need.



ION 1200 Overview

Learn about the next generation SASE ION 1200 device.

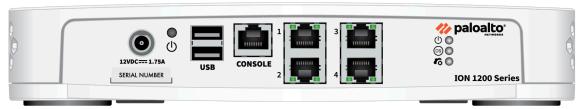
- Overview ION 1200
- ION 1200 Hardware Specifications
- ION 1200 Front Panel
- ION 1200-C-NA/ROW Front Panel
- ION 1200-C-5G-WW Front Panel
- ION 1200 Back Panel
- ION 1200-C-NA/ROW Back Panel
- ION 1200-C-5G Back Panel
- ION 1200 Compliance Statement
- ION 1200 LEDs
- Installation Kit Components

Overview ION 1200

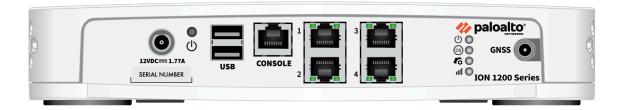
Prisma SD-WAN ION 1200 is a next generation software defined enterprise branch device with integrated 4G or 5G cellular network access. With the introduction of ION 1200, you can accelerate your SASE deployment to branch offices by leveraging 4G or 5G connectivity without installing additional hardware in the branch. Use the 4G or 5G network as the primary WAN connectivity to enable rapid deployment of ATMs or kiosk systems or as a secondary backup link to improve the resilience of the branch WAN.

The variants of the ION 1200 series are:

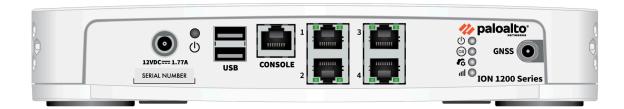
• ION 1200: The ION device for enterprise small branch.



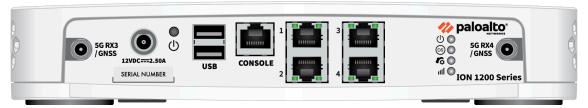
- ION 1200-C-NA: The ION device for enterprise small branch with integrated 4G LTE for North America (NA).
 - Do not deploy this device in regions outside North America.



- ION 1200-C-ROW: The ION device for enterprise small branch with integrated 4G LTE for APAC and EMEA (Rest of the World).
 - Do not deploy this device in North America.



• ION 1200-C-5G-WW: The ION device for small branch with integrated 5G for world wide (WW).



ION 1200 Hardware Specifications

Learn the hardware specifications of the following ION 1200 variants:

| | ION 1200 | ION 1200-C-NA | ION 1200-C- ROW | ION 1200-C-5G- WW |
|------------------|---|--|---|---|
| Description | Enterprise small branch. | Enterprise small branch with integrated 4G LTE for North America. Do not deploy this device in regions outside North America. | Enterprise small branch with integrated 4G LTE for APAC and EMEA. Do not deploy this device in North America. | Enterprise small branch with integrated 5G for world wide. |
| Ports | Ports | | | |
| Console Port | 1 x RJ-45 | 1 x RJ-45 | 1 x RJ-45 | 1 x RJ-45 |
| WAN/LAN ports | 4 x 10/100/1000 RJ-45 By default, all ports are DHCP- enabled, ports 1 and 2 are used to connect to internet. | 4 x 10/100/1000 RJ-45 By default, all ports are DHCP- enabled, ports 1 and 2 are used to connect to internet. | 4 x 10/100/1000 RJ-45 By default, all ports are DHCP- enabled, ports 1 and 2 are used to connect to internet. | 4 x 10/100/1000 RJ-45 By default, all ports are DHCP- enabled, ports 1 and 2 are used to connect to internet. |
| USB | 2 x Type-A | 2 x Type-A | 2 x Type-A | 2 x Type-A |
| eMMC Storage | 32GB | 32GB | 32GB | 32GB |
| Memory | 4GB | 4GB | 4GB | 4GB |
| Type or Watts | 25W Power adapter | 40W Power adapter | 40W Power adapter | 40W Power adapter |

| | ION 1200 | ION 1200-C-NA | ION 1200-C- ROW | ION 1200-C-5G- WW |
|--|--|--|--|--|
| Power Input | AC 100-240 V, 50-60Hz | AC 100-240 V, 50-60Hz | AC 100-240 V, 50-60Hz | AC 100-240 V, 50-60Hz |
| Mechanical | | | | |
| System Cooling | Fanless | Fanless | Fanless | Fanless |
| Certifications | | | | |
| Certifications | IEC 62368-1, cTUVus, FCC, CE B, RoHS | IEC 62368-1, cTUVus, FCC, CE B, RoHS | IEC 62368-1, cTUVus, FCC, CE B, RoHS | IEC 62368-1, cTUVus, FCC, CE B, RoHS |
| Environmental | | | | |
| Operating temperature (3000 m altitude) | 32°F - 104°F (0°C - 40°C) | 32°F - 104°F (0°C-40°C) | 32°F - 104°F (0°C-40°C) | 32°F - 104°F (0°C-40°C) |
| Storage temperature | -4°F - 158°F (-20°C - 70°C) |
| Operating humidity (non- condensing) | 10-90% | 10-90% | 10-90% | 10-90% |
| Storage humidity (non- condensing) | 10-90% | 10-90% | 10-90% | 10-90% |
| Physical | | | | |
| Dimensions (DxWxH) | 6.42"x9.53"x1.63" | 6.42"x9.53"x1.63" | 6.42"x9.53"x1.63" | 6.60"x9.53"x1.63" |
| Weight (lbs) | 3.69 | 3.75 | 3.75 | 3.75 |
| Mount options | Rack, Desktop, Wall | Rack, Desktop, Wall | Rack, Desktop, Wall | Rack, Desktop, Wall |
| Cellular specifications | | | | |
| SIM Slot Size | Not Supported | Nano (4FF) | Nano (4FF) | Nano (4FF) |
| Radio | | Main (TX/RX1) AUX (RX2) | Main (TX/RX1) AUX (RX2) | Main (TX1/RX1) |

| | ION 1200 | ION 1200-C-NA | ION 1200-C- ROW | ION 1200-C-5G- WW |
|---|---------------|--|---|---|
| | | GNSS | GNSS | MIMO1(TX2/ RX2) |
| | | | | MIMO2 (RX3/ GNSS L5) |
| | | | | AUX (RX4/ GNSS L1) |
| Antenna Terminal | Not Supported | SMA (F) | SMA (F) | SMA (F) |
| GNSS/GPS | Not Supported | GPS Standalone | GPS Standalone | GPS Standalone |
| Supported RF bands | Not Supported | LTE: B2, B4, B5, B7, B12, B13, B14, B25, B26, B41, B42, B43, B48, B66, B71 3G: B2, B4, B5 | LTE: B1, B3, B7, B8, B20, B28, B32, B38, B40, B41, B42, B43 3G: B1, B5, B8 | 5G NR Sub-6GHz (FR1): n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79 |
| | | | | LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71 |
| | | | | 3G : B1, B2, B4, B5, B6, B8, B9, B19 |
| Cellular Carrier/ Regulatory Certification | Not Supported | AT&TVerizonPTCRBT-MobileBELL | • GCF | AT&TPTCRBT-MobileVerizonGCF |

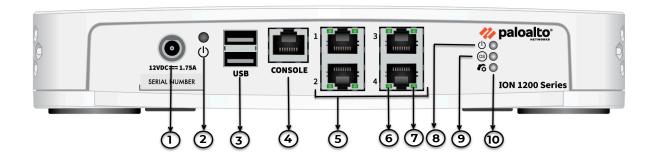
For the ION-1200-C5G-EXP, the minimum supported device software version is 6.1.3 or later.

| Ports Console Port WAN/LAN ports USB | Enterprise small branch with integrated 5G for Japan. 1 x RJ-45 4 x 10/100/1000 RJ-45 By default, all ports are DHCP-enabled, ports 1 and 2 are used to connect to internet. |
|---|---|
| Console Port WAN/LAN ports | 4 x 10/100/1000 RJ-45 By default, all ports are DHCP-enabled, ports |
| WAN/LAN ports | 4 x 10/100/1000 RJ-45 By default, all ports are DHCP-enabled, ports |
| · | By default, all ports are DHCP-enabled, ports |
| USB | |
| USB | |
| | 2 x Type-A |
| eMMC Storage | 32GB |
| Memory | 8GB |
| Type or Watts | 40W Power adapter |
| Power Input | AC 100-240 V, 50-60Hz |
| Mechanical | |
| System Cooling | Fanless |
| Certifications | |
| Certifications | IEC 62368-1, cTUVus, FCC, CE B, RoHS |
| Environmental | |
| Operating temperature (3000 m altitude) | 32°F - 104°F (0°C-40°C) |
| Storage temperature | -4°F - 158°F (-20°C - 70°C) |
| Operating humidity (non-condensing) | 10-90% |
| Storage humidity (non-condensing) | 10-90% |
| Physical | |
| Dimensions (DxWxH) | 6.42"x9.53"x1.73"(163mmx242mmx44mm) |
| Weight (lbs) | 3.75 |
| Mount options | Rack, Desktop, Wall |
| Cellular specifications | |

| | ION-1200-C5G-EXP |
|---|--|
| SIM Slot Size | Nano (4FF) |
| Radio | Main (TX1/RX1) MIMO1(TX2/RX2) MIMO2 (RX3/GNSS L5) AUX (RX4/ GNSS L1) |
| Antenna Terminal | SMA (F) |
| GNSS/GPS | GPS Standalone |
| Supported RF bands | 5G NR Sub-6GHz (FR1) : n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79 LTE : B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71 3G : B1, B2, B4, B5, B6, B8, B9, B19 |
| Cellular Carrier/Regulatory Certification | Japan Giteki |

ION 1200 Front Panel

The following image shows the front panel of the ION 1200 and the table describes the front panel components.



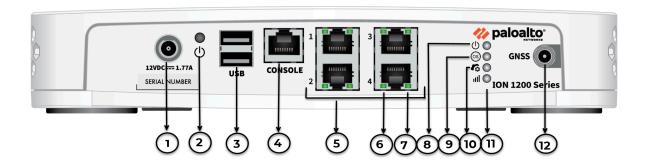
| Item | Component | Description |
|------|----------------|--|
| 1 | Power | Power input. |
| 2 | Restart Button | Restart button. |
| 3 | USB Port | USB 3.0 (reserved for future use). |
| 4 | Console Port | RJ-45 Serial console port. |
| 5 | Ethernet Ports | RJ-45 WAN/LAN ports. |
| 6 | Link Speed LED | On ethernet ports 1-4, the left LED indicates the link speed. |
| 7 | Activity LED | On ethernet ports 1-4, the right LED indicates the activity on the port. |
| 8 | Power LED | Power LED; the LED turns green when powered on. |
| 9 | OS LED | Operating System status LED. |

ION 1200 Overview

| Item | Component | Description |
|------|----------------|---|
| 10 | Controller LED | Controller LED; the LED turns green on successful connection with the Prisma SD-WAN controller. |

ION 1200-C-NA/ROW Front Panel

The front panel of the ION 1200-C-NA and ION 1200-C-ROW are identical. The following image shows the front panel of the ION 1200-C-NA/ROW and the table describes the front panel components.

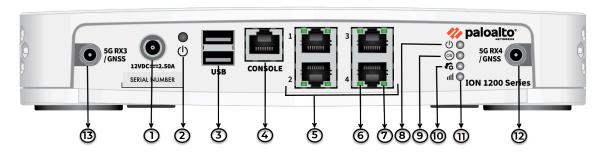


| Item | Component | Description |
|------|----------------|--|
| 1 | Power | Power input. |
| 2 | Restart Button | Restart button. |
| 3 | USB Port | USB 3.0 (reserved for future use). |
| 4 | Console Port | RJ-45 Serial console port. |
| 5 | Ethernet Ports | RJ-45 WAN/LAN ports. |
| 6 | Link Speed LED | On ethernet ports 1-4, the left LED indicates the link speed. |
| 7 | Activity LED | On ethernet ports 1-4, the right LED indicates the activity on the port. |
| 8 | Power LED | Power LED; the LED turns green when powered on. |

| Item | Component | Description |
|------|-------------------|---|
| 9 | OS LED | Operating System status LED. |
| 10 | Controller LED | Controller LED; the LED turns green on successful connection with the Prisma SD-WAN controller. |
| 11 | Cellular LED | Cellular LED; the LED indicates signal strength. Refer ION 1200 LEDs to know more. |
| 12 | Antenna Connector | Antenna SMA (F) Connectors. ION 1200-C-NA/ROW has three antenna connectors—Main (TX/ RX1), Aux (RX2), GNSS. |

ION 1200-C-5G-WW Front Panel

The following image shows the front panel of the ION 1200-C5G-WW and the table describes the front panel components.

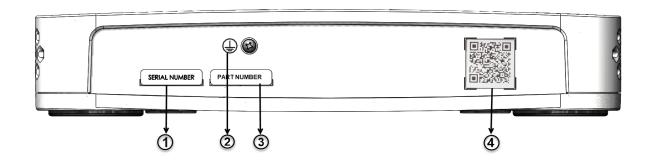


| Item | Component | Description |
|-----------|-------------------|---|
| 1 | Power | Power input. |
| 2 | Restart Button | Restart button. |
| 3 | USB Port | USB 3.0 (reserved for future use). |
| 4 | Console Port | RJ-45 Serial console port. |
| 5 | Ethernet Ports | RJ-45 WAN/LAN ports. |
| 6 | Link Speed LED | On ethernet ports 1-4, the left LED indicates the link speed. |
| 7 | Activity LED | On ethernet ports 1-4, the right LED indicates the activity on the port. |
| 8 | Power LED | Power LED; the LED turns green when powered on. |
| 9 | OS LED | Operating System status LED. |
| 10 | Controller LED | Controller LED; the LED turns green on successful connection with the Prisma SD-WAN controller. |
| 11 | Cellular LED | Cellular LED; the LED indicates signal strength. Refer ION 1200 LEDs to know more. |
| 12 and 13 | Antenna Connector | Antenna SMA (F) Connectors. ION 1200-C5G-WW has four antenna connectors—Main (TX1/RX1), |

| Item | Component | Description |
|------|-----------|---|
| | | MIMO1 (TX2/RX2), MIMO2 (RX3 GNSS L5), AUX (RX4/GNSS L1). |

ION 1200 Back Panel

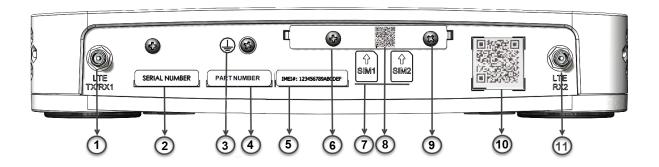
The following image shows the back panel of the ION 1200 and the table describes the back panel components.



| Item | Component | Description |
|------|---------------|--|
| 1 | Serial Number | Serial number of the ION device. |
| 2 | Earthing | Earth ground connection. The ground connector is not required during normal operation. |
| 3 | Part Number | Part number of the ION device. |
| 3 | QR Code | QR code links to the ION 1200 Hardware Reference. |

ION 1200-C-NA/ROW Back Panel

The back panel of the cellular ION 1200-C-NA and ION 1200-C-ROW are similar. The following image shows the back panel of the cellular ION 1200-C-NA device and ION 1200-C-ROW and the table describes the back panel components.

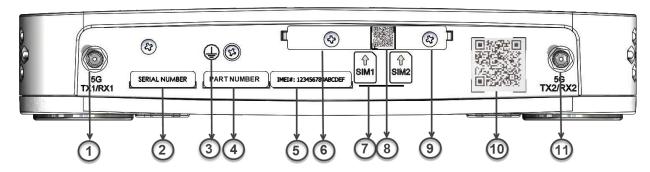


| Item | Component | Description | |
|----------|--------------------|--|--|
| 1 and 11 | Antenna Connectors | Antenna SMA (F) connectors. | |
| 2 | Serial Number | Serial number of the ION device. | |
| 3 | Earthing | Earth ground connection. The ground connector is not required during normal operation. | |
| 4 | Part Number | Part number of the ION device. | |
| 5 | IMEI Label | IMEI number of the device. | |

| Item | Component | Description | |
|------|-----------|--|--|
| 6 | SIM Cover | SIM cover that covers the SIM slots. | |
| 7 | SIM slots | 2 SIM slots for cellular network connectivity. | |
| 8 | QR Code | QR code links to the SIM installation section of the Hardware Reference. | |
| 9 | Screws | M3 screws. | |
| 10 | QR Code | QR code links to the ION 1200 Hardware Reference. | |

ION 1200-C-5G Back Panel

The following image shows the back panel of the cellular ION 1200-C-5G-WW device and the table describes the back panel components.



| Item | Component | Description | |
|----------|--|--|--|
| 1 and 11 | Antenna Connector | Antenna SMA (F) connectors. | |
| 2 | Serial Number | Serial number of the ION device. | |
| 3 | Earthing Earth ground connection. The ground connector is not required during operation. | | |
| 4 | Part Number Part Number of the ION device | | |
| 5 | IMEI Label IMEI number of the device. | | |
| 6 | SIM Cover | SIM cover that covers the SIM slots. | |
| 7 | SIM slots | 2 SIM slots for cellular network connectivity. | |

ION 1200 Overview

| Item | Component | Description |
|------|-----------|--|
| 8 | QR Code | QR code links to the SIM installation section of the Hardware Reference. |
| 9 | Screws | M3 screws. |
| 10 | QR Code | QR code links to the ION 1200 Hardware Reference. |

ION 1200 Compliance Statement

The following lists the ION device hardware compliance statements:

 VCCI: This section provides the compliance statement for the Voluntary Control Council for Interference by Information Technology Equipment (VCCI), which governs radio frequency emissions in Japan. The following information is in accordance to VCCI Class B requirements:

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

Translation: This is a Class B product. In a domestic environment this product may cause radio interference, in which case the user may be required to take corrective actions.

KCC

B급 기기(가정용 방송통신기자재) 이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지 역에서 사용할 수 있습니다.

Translation: Korean Communications Commission (KCC) Class B Statement—This equipment is an electromagnetic compatible device for business purposes (Class B). The provider or user should be aware that the equipment is intended for use outside the home.

- UL: Product Ambient Temperature: 0~50 degree C
 - Risk of explosion if battery is replaced by an incorrect type. Dispose of used battery according to local regulations.
- CE (European Union (EU) Directives)
 - Electromagnetic Compatibility Directive

The ION 1200 (without radio) complies with the requirements set out in the Electromagnetic Compatibility Directive (2014/30/EU) and the Low Voltage Directive

2014/35/EU. The full text of the EU declaration of conformity for ION 1200 is available at the following link:

ION 1200

The ION 1200-C-ROW and ION 1200-C5G-WW (with radio) comply with the requirements set out in the Radio Equipment Directive (2014/53/EU). The full text of the EU declaration of conformity for each model is available at the following links:

- ION 1200-C5G-WW
- ION 1200-C-ROW
- United Kingdom Declaration of Conformity (UKCA) Directives:

The ION 1200 (without radio) complies with the requirements set out in the UK Electrical Equipment (Safety) Regulations 2016 and Electromagnetic Compatibility Regulations 2016. The full text of the UK declaration of conformity for each model is available at the following link:

ION 1200

The ION 1200-C-ROW and ION 1200-C5G-WW (with radio) comply with the requirements set out in the UK Radio Equipment Regulations, 2017. The full text of the UK declaration of conformity for each model is available at the following links:

- ION 1200-C5G-WW
- ION 1200-C-ROW
- Federal Communications Commission (FCC) statement for a Class B digital device or peripheral: 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 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 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 to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment to an outlet on a circuit that is different from the one to which the receiver is connected.
 - Consult a professional installer for help.

• Federal Communications Commission (FCC) Compliance Statement

Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

Unique Identifiers: ION 1200, ION 1200-C-NA, ION 1200-C5G-WW

Responsible Party - U.S. Contact Information

Palo Alto Networks 3000 Tannery Way Santa Clara, California 95054 USA 408-753-4000

www.paloaltonetworks.com

Authorized Components

The ION 1200-C-NA uses Sierra Wireless module EM7411, FCC ID N7NEM74B.

The ION 1200-C5G-WW uses Sierra Wireless module EM9190, FCC ID N7NEM91.

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

• ICES (Canadian EMC Compliance Statement): This Class B digital apparatus complies with Canadian ICES-003.

French Translation: Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

• Declaration of the Presence Condition of the Restricted Substances Marking.

限用物質含有情況標示聲明書

Declaration of the Presence Condition of the Restricted Substances Marking

證書號碼/受理編號:(No.) 新申請 Certificate No./Application No. 商品標籤及商品檢驗標識:(Picture) Product Label and Commodity Inspection Mark. 樣張及其標示位置:(Description and Picture)

備考3. "一"係指該項限用物質為排除項目。 Note 3: The "-" indicates that the restricted substance corresponds to the exemption

| 單元Unit | 限用物質及其化學符號 Restricted substances and its chemical symbols | | | | | |
|---|--|----------------------|----------------------|--|--|--|
| | 鉛Lead (Pb) | 乘 Mercury (Hg) | 鍋 Cadmium (Cd) | 六價鉻 Hexavalent chromium (Cr ⁺⁶) | 多溴聯苯 Polybrominated biphenyls (PBB) | 多溴二苯醚 Polybrominated diphenyl ethers (PBDE) |
| 固態硬碟 HDD | 1 | 0 | 0 | 0 | 0 | 0 |
| 金屬機構件 ME metal part | 0 | 0 | 0 | 0 | 0 | 0 |
| 塑膠機構件 ME plastic part | 1 | 0 | 0 | 0 | 0 | 0 |
| 配件(例: 電源線 等) Accessory (ex:cable, etc.) | П | 0 | 0 | 0 | 0 | 0 |
| 印刷電路板元件 PCBA | - | 0 | 0 | 0 | 0 | 0 |
| 備考1. "超出0.1 wt %"及"超出0.01 wt %" 係指限用物質之百分比含量超出百分比含量基準值 Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition. 備考2. [™] ○″ 係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2: ""○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence | | | | | | |

兹切結保證所提供之商品限用物質含有情況標示內容係經執行測試作業或採適當之品質管理措施,並備置前述相關文件,確認正確無誤後提供貴局。並同意配合貴局執行後市場管理作業所需,依商品檢驗法第49條之規定,於限期28個工作天內提供相關證明文件以供審查。I hereby ensure that "the presence conditions of the restricted substance" provided above have been proved by testing or appropriate quality control measures, and make sure the relevant documents provided are correct and ready. Also, I agree to cooperate with BSMI, as the Article 49 of the Commodity Inspection Act stripulates, to provide the relevant documents, if needed, for verification within 28 working days when BSMI carries out the market surveillance activities.

- **Mexico Declaratory Legend**: For use in Mexico, operation of this equipment is subject to the following conditions:
 - This equipment or device may not cause harmful interference.
 - This equipment or device must accept any interference, including interference may cause its undesired operation.

• Thailand Regulation for Radio Communication Equipment:



This regulation applies to ION 1200-C5G-WW and ION 1200-C-ROW devices only.



This radiocommunication equipment is exempted to possess license, user license, or radiocommunication station license as per NBTC notification regarding radiocommunication equipment and radiocommunication station has been exempted for license according to radio communication act B.E.2498)."

"เครื่องโทรคมนาคมและอุปกรณ์นี้มีความสอดคล้องตามมาตรฐานหรือข้อกำหนดทาง เทคนิคของ กสทช."

"This telecommunication equipment conforms to the technical standards or requirements of NBTC."

"เครื่องวิทยุคมนาคมนี้มีระดับการแผ่คสิ่นแม่เหล็กไฟฟ้าสอดคล้องตามมาตรฐาน ความปลอดภัยต่อสุขภาพของมนุษย์จากการใช้เครื่องวิทยุคมนาคมที่คณะกรรมการ กิจการโทรคมนาคมแห่งชาติประกาศกำหนด"

"This radiocommunication equipment has the electromagnetic field strength in compliance with the Safety Standard for the Use of Radiocommunication Equipment on Human Health announced by the National Telecommunications Commission."

• Thailand Regulation for Non-Radio Equipment:

เครื่องโทรคมนาคมและอุปกรณ์นี้มีความสอดคล้องตามมาตรฐานหรือข้อกำหนดทางเทคนิคของ กสทช (This telecommunication equipment conforms to the technical standards or requirements of NBTC.)

• Taiwanese Certification for Telecommunications Terminal Equipment



This regulation applies to ION 1200-C-5G-WW and ION ION 1200-S-C5G-WW devices only.

● 減少電磁波影響,請妥適使用

Use the device appropriately to reduce the impact of electromagnetic waves.

電波功率密度 MPE 標準值; lmW/cm², 透褶產品資潔值; 0.16mW/cm², 建磷使用转設值天線至少距 人體 200分。

The standard value of radio wave power density MPE: 1mW/cm², the actual measured value of the product sent for testing: 0.16mW/cm², it is recommended that the device antenna be at least 20centimeters away from the human body when used.

為避免電磁干擾,本產品不應安裝或使用於住宅環境。

This product should not be installed or used in residential environments to avoid electromagnetic interference.

ION 1200 LEDs

Refer to the ION 1200 device front panel images for position of the LEDs on the ION 1200 devices and its description.

| LEDs | ION 1200 |
|-----------------------------|--|
| Power | Green LED indicates the device is powered on. Red LED indicates that the device is not getting enough power or power failure. Off LED indicates that the device is powered off. |
| Operating System Status os | Green LED indicates OS is running. Red LED indicates secure boot has failed. |
| Controller | Green LED indicates that the device is connected to the controller. Red LED indicates the device is attempting to connect to the controller or device not connected to controller. Off LED indicates that the device is not attempting to connect to the controller. |
| Link Activity | On ethernet ports, the right LED displays the link activity. The LED blinks when there is activity detected on the link. |
| Link Speed | On ethernet ports, the left LED displays the link speed on the port. • Off—No link or speed is 10Mbps. • Green—Link detected and speed is 100Mbps. • Yellow—Link detected and speed is 1Gbps. |

The following table describes the cellular LED.

| Cellular LED | Cellular ION Device |
|--------------|--|
| Cellular | The device cellular LED indicates the signal strength. |
| | Off—No modem detected. |

| Cellular LED | Cellular ION Device |
|--------------|--|
| ııl | Solid green LED indicates maximum signal strength. |
| | Blinking green LED indicates good to poor Radio Signal Strength Indicator. The cellular LED blinking rate is based on the signal strength: |
| | • 25 blinks in 10 seconds—Good signal strength. |
| | 10 blinks in 10 seconds—Fair signal strength. |
| | 5 blinks in 10 seconds—Poor signal strength. |
| | You can also the view the signal strength on the Interface tab of the Prisma SD-WAN web interface. |
| | ad . |
| | - Excellent |
| | all |
| | - Good |
| | all |
| | - Fair |
| | •000 |
| | - Poor |
| | |
| | - Modem Error, hover over the icon to see the error. |
| | 4 |
| | - No modem or signal detected. |
| | |

Installation Kit Components

The ION 1200 device installation kit contains the following parts and tools to install the device:

- 1x ION 1200 device ships with 1x power adapter (details below).
- 1x 40W power adapter for cellular devices—ION 1200-C-NA, ION 1200-C-ROW, ION 1200-C-5G-WW.
 - 1x 25W power adapter for non-cellular devices—ION 1200.
- 1x Power adapter wall-mount kit (includes one power adapter bracket, a Velcro strap, and a plastic cable tie).
- 1x power cord, AC, which varies depending on the country or region.
- 1x Shielded RJ-45 CAT6 Ethernet cable.
- Wall Mount Kit Components
 - 6x Wood screws (.75") to mount the device and power adapter bracket to wood studs or plywood.
 - 6x Drywall anchors and screws (1.25") to mount the device and power adapter bracket to a drywall or similar material that cannot securely accommodate wood screws.
- 3x Omni-directional Dipole Antennas for ION 1200-C-NA and ION 1200-C-ROW.
 - 4x Omni-directional Dipole Antennas for ION 1200-C-5G-WW.
- Sheet, Limited Warranty.

The following optional hardware parts must be ordered separately:

- 1 x Region specific power cable.
- 1x Rack mount kit for ION 1200

The following hardware parts can be ordered separately, if needed.

- 1x Power adapter.
- 1x USB to RJ-45 serial cable.



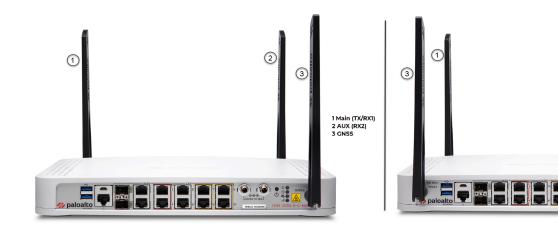
Install the ION 1200

This chapter describes how to install the ION 1200 series:

- Install Antennas
- Insert SIM Cards
- Install the ION 1200 on a Wall
- Install the ION 1200 on a Flat Surface
- Install the ION 1200 in a 19-inch Equipment Rack
- Install the ION 1200 Using the Racktray
- Power on the ION 1200

Install Antennas

The ION 1200-C-NA, ION 1200-C-ROW, and ION 1200-C-5G-WW devices support multi-band antennas which can be easily secured to the device. The ION 1200-C-NA and ION 1200-C-ROW have three antenna SMA (F) connectors. The ION 1200-C-5G-WW has four antenna SMA (F) connectors.



| Feature | Description |
|--------------------|---|
| Antennas | Multi-Band 4G / 5G Antenna |
| | 4G - 3x SMA Antenna connectors |
| | 5G - 4x SMA Antenna connectors |
| Frequency Range | 615-960MHz / 1500-1600MHz / 1710-2690MHz / 3300-3700MHz |
| Peak Gain | 2.3dBi in 800MHz band, 4.4dBi in 1575MHz band, 2.6dBi in 2170MHz band, 1.7dBi in 3300MHz band, 3.8dBi in 4400MHz band |
| VSWR | <3:1 |
| Feed Impedance | 50Ω |
| Power Handling | 30 dBm |
| Interface | SMA (F) Connectors |
| Antenna Dimensions | 229 mm x 28 mm x 14 mm (L x W x T) |

1 Main (TX1/RX1) 2 MIMO1 (TX2/RX2) 3 MIMO2 (RX3/GNSS L5) 4 AUX (RX4/GNSS L1) **STEP 1** Secure the antennas to the SMA connectors located at the corners of the device.

Rotate the antennas at 180-degree movement about the SMA connectors. Tighten the antennas by hand.



STEP 2 | Adjust the antenna orientation to receive optimal signal strength in your environment.

It is recommended to conduct a cellular location assessment of the site to receive best signal strength before installing the ION device.

Position the antennas to receive optimal cellular signal strength. Check the signal strength on the ION device by viewing the Cellular LED signal strength indicator or on the Prisma SD-WAN web interface.

- Do not place the antennas close to, or pointing to one another, or layover one another.
- Make sure the power cables do not cross over the antennas to avoid signal quality distortion and antenna performance degradation.
- When installing the ION on a wall or a desktop, it is recommended to orient the antennas upright and slanted slightly outwards, not exceeding 45 degrees, to improve the signal quality.

Insert SIM Cards

The ION 1200-C-NA, ION 1200-C-ROW, ION 1200-C-5G-WW, and ION-1200-C5G-EXP devices support two SIM slots to enable multiple mobile network connectivity.

STEP 1 | Remove the SIM cover by unfastening the two M3 screws using a type one Phillips screwdriver.

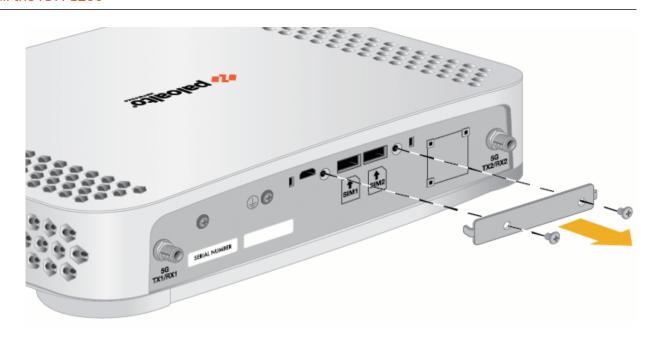


STEP 2 | Insert the nano SIM in SIM 1 or SIM 2 slot by pushing the SIM in the slot till it is locked in its position.

The SIM chamfered corner (sloping edge) indicates the insertion orientation into the SIM slot as shown in figure below. Ensure to correctly insert the SIM in the SIM slot, incorrect insertion may damage the SIM.



By default, SIM slot 1 is the primary SIM. If you have only one SIM, it is recommended to use the slot 1 as the primary SIM. If you want to use the SIM slot 2 as the primary SIM, you need to manually configure the SIM slot 2 as the primary SIM on the Prisma SD-WAN web interface.

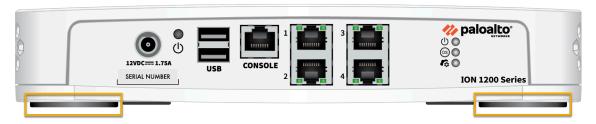


STEP 3 After inserting the SIM, place the SIM cover back on the device.

To eject the SIM from the device, gently push the SIM inward using a finger tip and release it before pulling it out.

Install the ION 1200 on a Flat Surface

The ION 1200 series ships with rubber feet attached to each corner of the device. As pictured below, the ION 1200 device can be horizontally situated on a flat surface.

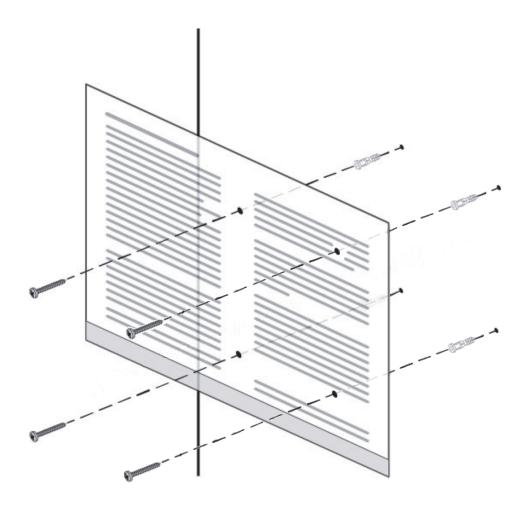


You can also install the ION 1200 on a rack or a wall.

Install the ION 1200 on a Wall

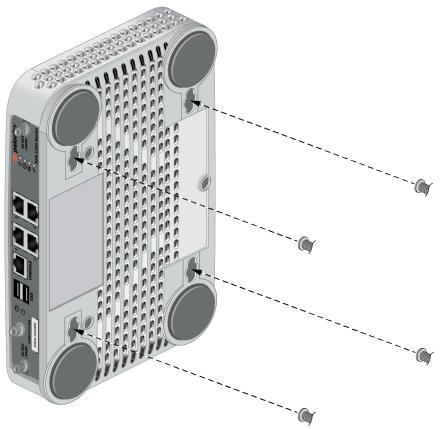
Install an ION 1200 on a drywall or plywood wall using the wall-mount kit as described in the following procedure.

- STEP 1 | Mark four locations on the wall that line up with the wall mount holes on the bottom of the device as shown in the Wall Mount Template.
 - To ensure the wall mount screws line up with the device mount holes, print the Wall Mount Template in landscape mode and actual size in the Print options to ensure the screw hole markers line up correctly.
 - Ensure there are no building services (water, gas, or wiring) behind the wall where you intend to install the device.



- STEP 2 | Use a #1 Phillips-head screwdriver to install the appropriate screws into each of the four marked locations:
 - Drywall—Press a drywall anchor slightly into the center of a template mark. Then use the screwdriver to apply pressure while turning the anchor clockwise until the surface of the anchor is flush with the wall. After the drywall anchor is secure, install a 1.25" anchor screw

- into the anchor until the bottom of the screw head protrudes 1/4" (.6cm) from the wall. Repeat this step for the other three screw locations unless either is located over wood, in which case, use a .75" wood screw instead of a drywall anchor and screw.
- Plywood wall—Use the screwdriver to insert a .75" wood screw into the center of each template mark that is located over wood until the bottom of the screw heads protrude 1/4" (.6cm) from the wall.
- STEP 3 | Align the four holes on the bottom of the device with the four screws on the wall and hang the device on the screws. Make sure the device is securely connected to each of the four screws before you let go.



STEP 4 | Install the power adapter in the wall-mount bracket using the Velcro strap and cable tie. Make sure to align the cable tie with the notches in the bracket to prevent the power cord from falling out.

After you secure the power adapter to the bracket, mount the bracket next to the device using wood or drywall screws as appropriate.

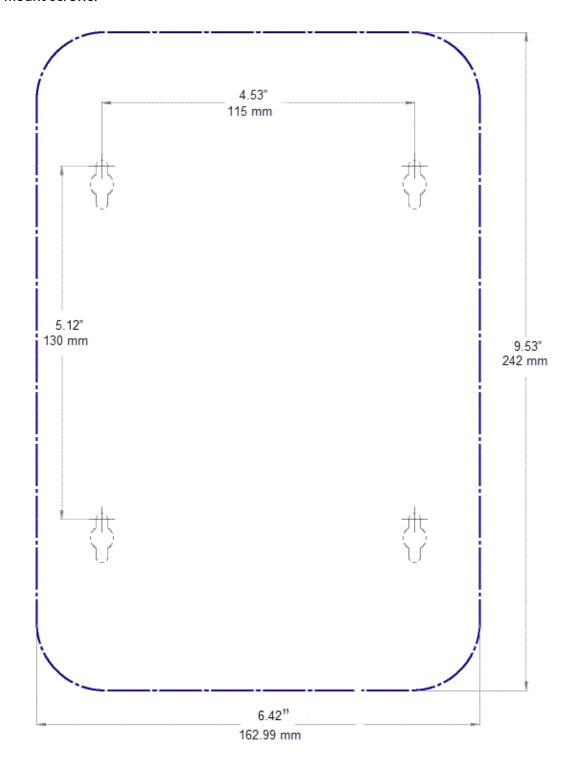


The following image shows a completed installation for an ION 1200 with a single power adapter.



Wall Mount Template

Download and print the following wall mount template to secure the template to the wall where you intend to mount the ION 1200 device and use it to mark the location for each of the four wall-mount screws.



Install the ION 1200 in a 19-inch Equipment Rack

The racktray kit enables you to install an ION 1200 device in a 19" rack. The installation hardware consists of a metal base and two rails.



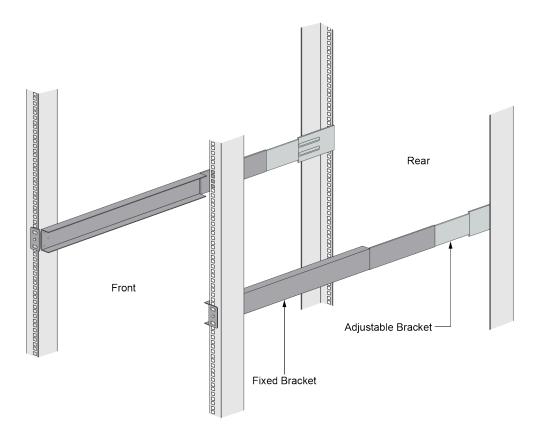
To ease installation, first install the device in the racktray and then install the assembled racktray into the equipment rack.

• Install the ION 1200 Using the Racktray

Install the ION 1200 Using the Racktray

Mount the ION device in a 19" equipment rack using the racktray. The mounting equipment requires 1 RU of rack space.

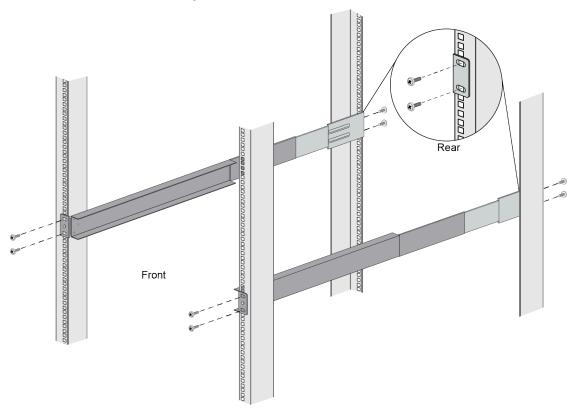
- Maintain a minimum of 7.5" height clearance for the antennas in the rack.
- STEP 1 | Slide one of the adjustable mounting brackets into one of the fixed mounting brackets to create a mounting rail. Repeat for the second mounting rail. The adjustable and fixed brackets are the same for the left and right side.
 - ION 1200-S rack mount kit can be used for ION 1200 variants.



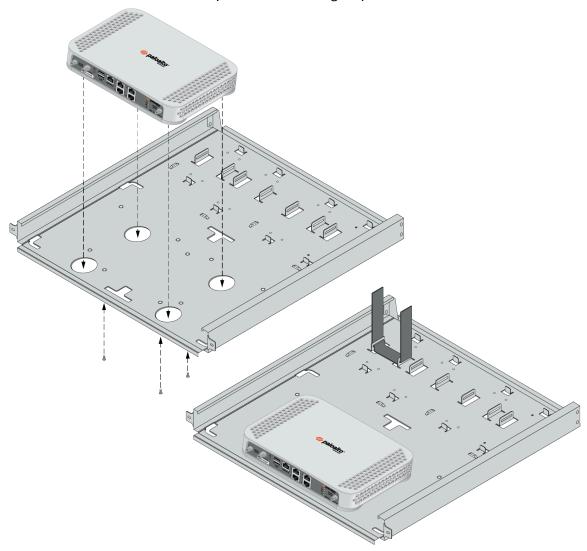
STEP 2 | Align the bottom edge of the mounting rails to the bottom of the 1 RU rack space reserved for the device. Align the slotted holes in the adjustable mounting bracket to the holes on the rear of the equipment frame.

The mounting rails are designed for equipment frames that are 26" to 32" deep.

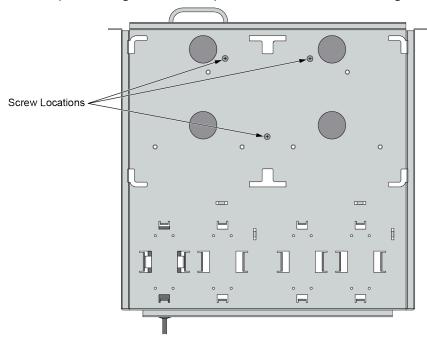
STEP 3 | Secure the rails to the equipment frame with mounting screws (not provided) compatible with your equipment frame. Tighten the screws to their recommended torque value.



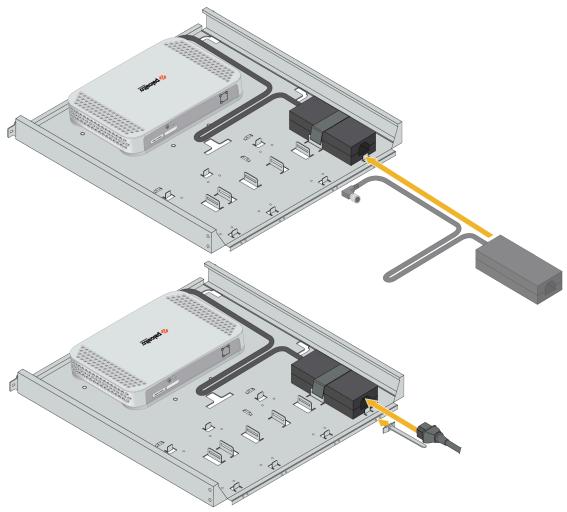
STEP 4 | With the front of the device facing forward, align the four rubber feet on the bottom of the device to the slotted holes in the provided mounting tray.



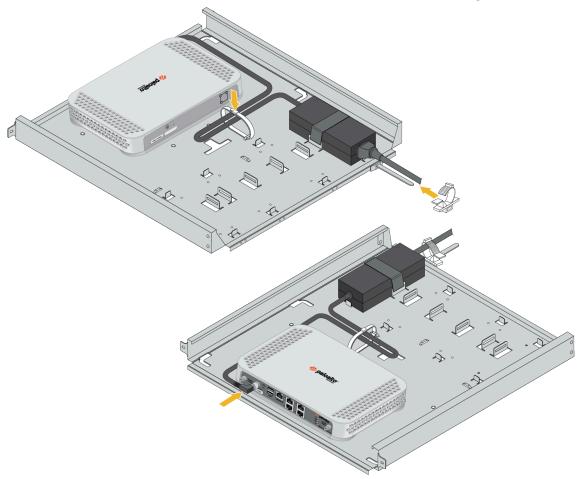
STEP 5 | Secure the device in place using three of the provided #6-32 x 3/16" Long Flathead screws.



STEP 6 | Slide the device power supply into the marked position and fasten the provided velcro strap around the power supply until it is secure in place.



STEP 7 | Plug the power supply connector into the back of the device. Using the provided tie-wraps, bind and secure the power supply cable to the metal hooks in the mounting tray.



STEP 8 | Slide the mounting tray into the rails previously fixed to the equipment rack. Stop when the front flange on the mounting tray is flush with the front of the rail.

STEP 9 | Align the slotted holes in the mounting tray to the holes in the equipment frame. Secure the mounting tray to the equipment frame on both sides using 3 screws each (not provided). The screws must be compatible with your equipment frame.



STEP 10 | Proceed to Power on the ION 1200.

Power on the ION 1200

Connect the power cables to the ION device and plug the device power cable into an AC power outlet. When you switch on the power, the device powers on and the power indicator turns green.

Restart the ION 1200

Press the power switch three times (press and hold for one second, and then release) to restart the device.

Shut Down the ION 1200

Shut down the ION 1200 in the following ways:

Shut down using the Device Toolkit commands

Run the device toolkit command debug shutdown to shut down the device.

- Ensure the device is physically accessible to turn it back on, before executing the command.
- Shut down using the Power Switch

Press the power switch for more than five to eight seconds and then release to shut down the ION 1200 device.

When you shut down the device using the device CLI toolkit command or the power switch, click the power switch once to power on the device.

Next Step: Configure the Cellular ION 1200.



Troubleshoot ION 1200

This section lists the most common issues that you may face. Troubleshoot the issue by following the resolution steps mentioned in the table.

• Troubleshoot Common Issues with the ION 1200

Troubleshoot Common Issues with the ION 1200

Troubleshoot the issue by following the resolution steps mentioned in the table. If the issue persists, contact Palo Alto Networks Support.

Alerts and alarms are reported when there is fault in the system or an issue with the cellular modem. For detailed information on the alerts and alarms on the ION 1200 device, refer to the Prisma SD-WAN Administrator's Guide.

| Issue | Resolution |
|--|---|
| No radio signal - The cellular module in the ION device cannot detect a radio signal from the internet service provider network. | Check the modem status. Check the radio status. Check the antenna connectivity. Check if the SIM card is properly installed. Check if you are in your network provider's coverage area. |
| Weak radio signal - reception on your modem is poor. | Check the antenna connectivity. Try to move the router to a different location where there are fewer or no obstacles to the signal (for example, near a window). Keep the device away from large metal objects, such as ducts, mirrors, appliances, and elevators. Minimize the number of walls between the unit and base station. Avoid any cables in proximity to the antennas. |
| No internet access | Check the modem status. Check the radio status. Check the SIM status. Make sure that a SIM card is installed in the modem. Check with your mobile broadband service provider to ensure that good coverage exists in the area. Make sure that your mobile broadband account is active. If there is no mobile broadband coverage, the Signal Strength LED is off. If there is poor signal strength, move the modem closer to a window for better access to the mobile broadband signal. Refer to ION 1200 LEDs. Check to see if your mobile service provider is experiencing network problems. There may be |

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| Issue | Resolution issues with the service provider rather than your modem. 8. You might need to add a custom or a private APN profile. Contact your mobile broadband service |
| Interface flapping | provider for APN information. Check the Signal Strength LED. If you see only one or two signal strength bars, |
| | move the modem closer to a window for better access to the mobile broadband signal. |
| Slow download or upload speed | 1. Check the antenna connection. |
| Data transfer speed depends on signal strength and interfering radio sources and technology it is connected to. | 2. Check the RAT modem connection; (for example, LTE 4G is generally faster than 3G). |
| | 3. Try to move the router to a different location where there is less or no obstacles to the signal; (for example, near a window). |
| | 4. Check for obstacles to the signal and interference from other devices. |
| Attached no IP address | If your modem cannot access the internet but one or more Signal Strength LED bars are green, see if the modem can obtain an internet IP address from the mobile broadband service provider. Modem requests an IP address from the mobile broadband service provider. You can determine whether the request was successful from Alerts or Notifications on the portal. |
| | 1. Make sure that an APN profile exists and selected as an active profile, in case of custom APN. |
| | 2. Turn the radio off and then turn it back on. |
| | 3. Turn modem off and on. If you still cannot obtain an internet IP address, contact your mobile broadband service provider. |
| No power in the PoE ports. | 1. Confirm whether the powered device (PD) on the PoE port is attached properly. |
| | 2. If PD is attached but not receiving power, check if PoE is enabled on the port, port is administratively enabled and whether device budget permits powering on the PD. |
| Power Sourcing Equipment (PSE) controller encounters an internal error requiring a reload/power-cycle/RMA of the device. | Recover the device. Check if a reload of the device or a power-cycle helps to recover the device. |

| Issue | Resolution |
|---|---|
| | 3. Call Palo Alto Networks support if the issue is still not resolved. |
| The main power usage goes over the configured threshold for the system or for a port. | Check the PD power requirements for the port and all the PDs. Validate whether the power usage for the port and all the PDs is as expected and is over the configured threshold for the device. |