

Compliance information

Vega 100G

Vega 200G

September 2020

Regulatory – Compliance and Agency Approval

The **Vega 100G** and the **Vega 200G** comply with or have obtained Regulatory Agency approval at least against the following standards:

- **EMC – Emission** (Class A) FCC Part 15 - 2012
ICES-003 issue 5
EN 55032:2012

- **EMC – Immunity** EN 55024:2010 + A1

- **Safety** IEC 62368-1:2014
EN 62368-1:2014 + A11

- **Telecom** TBR4
IC CS-03 Part VI issue 9
FCC Part 68 (TIA-968-B1)

Important note:

Ferrites must be installed to comply with the Class A of the EMC standards.
These ferrites are not provided with the product package.

1. Add Steward Ferrite P/N: 28A2029-OA2 with one turn to looped back RJ45 cable.
2. Add Steward Ferrite P/N: 28A2025-OA2 with two turns to power input DC cable.

Compliance and Regulatory Statements

1. EN55032 and CISPR32 – Class A warning

These are Class A products that may cause radio interference. In this case, the user may be required to take adequate measures.

2. FCC Part 15 Statement

These digital equipment have 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 generate, use 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 are likely to cause harmful interference, in which case the user will be required to correct the interference at his or her own expense.

3. FCC Part 68 Statement

This equipment, complies with Part 68 of the FCC rules and the requirement adopted by ACTA of the United States.

On the product nameplate of this equipment (located on the rear of the chassis) is a label that contains, among other information, a product identifier in the format US: AAAEQ##TXXXX.

If requested, this number must be provided to the telephone company.

Connection to the Telephone Line

This equipment cannot be used on the public coin phone service provided by the telephone company. Connection to party line service is subject to state tariffs.

Your telephone company may discontinue your service if your equipment causes harm to the telephone network. They will notify you in advance of disconnection, if possible. During notification, you will be informed of your right to file a complaint to the FCC.

Occasionally, your telephone company may make changes in its facilities, equipment, operation, or procedures that could affect the operation of your equipment. If so, you will be given advance notice of the change to give you an opportunity to maintain uninterrupted service.

The registration number of the system must be provided so that the telephone company can ascertain intended modes of operation and verification of registration ports.

If a need arises in the future, the telephone company will call the user and request the following information for any equipment being connected to the Public Switched Telephone Network:

- *Manufacturer:* Sangoma Technologies
- *Model Number:* Refer to the nameplate on the chassis
- *Ringer Equivalence Number (REN):* NAN
- *Facility Interface Code (FIC):*
 - 04DU9-BN for 1.544 Mbps, D4
 - 04DU9-DN for 1.544 Mbps, D4 and B8ZS
 - 04DU9-1KN for 1.544 Mbps, ANSI ESF
 - 04DU9-1SN for 1.544 Mbps, ANSI ESF and B8ZS

- *Service Order Code (SOC): 9.0N*
- *Universal Service Order Code (USOC): RJ45*

Problems, Repair and Warranty

Should you experience trouble with this telephone equipment or for repair or warranty information, please contact Sangoma at +1 (905) 474-1990. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect this equipment from the line network until the problem has been corrected.

4. ISED Statement

This equipment does not exceed Class A limits for radio noise emissions for digital apparatus, set out in Radio Interference Regulation of ISED. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps necessary to correct the interference.

This product meets the applicable ISED technical specifications.

The ISED label identifies certified equipment. The certification means that the equipment meets certain telecommunications network protective, operations, and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The ISED does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by a Sangoma authorized maintenance facility. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



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

5. Notice d'ISDE

Cet équipement ne dépasse pas les limites de Classe A d'émission de bruits radioélectriques pour les appareils numériques, telles que prescrites par le Règlement sur le brouillage radioélectrique établi par l'ISDE. L'exploitation faite en milieu résidentiel peut entraîner le brouillage des réceptions de radio et de télévision, ce qui obligerait le propriétaire ou l'opérateur à prendre les dispositions nécessaires pour en éliminer les causes.

Le présent matériel est conforme aux spécifications techniques applicables d'ISDE.

L'étiquette d'ISDE identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme aux normes de protection, d'exploitation et de sécurité des réseaux de télécommunications, comme le prescrivent les documents concernant les exigences techniques relatives au matériel terminal. Le Ministère n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêche pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être coordonnées par un représentant désigné par Sangoma. L'entreprise de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause d'un mauvais fonctionnement.


Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie

électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.



L'utilisateur ne doit pas tenter de faire les raccordements lui-même, mais doit avoir recours à un service d'inspection d'installations électriques ou d'un électricien.

6. EU Directives: EMC, Safety and RoHS Recast



DECLARATION OF CONFORMITY

We, Sangoma, declare under our sole responsibility that the products

Vega 100G
Vega 200G

to which this declaration relates, are in conformity with the following European Directives:

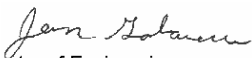
2014/30	(EMC)
2014/35	(Safety)
2011/65	(RoHS Recast)
2015/863	(RoHS amendment)

Product compliance has been demonstrated against the following standards:

EN 55032	2012
EN 55024	2010 + A1
EN 62368-1	2014 + A11
EN 50581	2012

The technical file is kept at: *Sangoma*
100 Renfrew Drive
Markham, Ontario L3R 9R6
Canada

Markham, 31 August 2020


Director of Engineering

100 Renfrew Drive, Suite 100 Tel: 1 905 474 1990
Markham, ON L3R 9R6, Canada Toll Free: 1 800 388 2475

www.sangoma.com

- Hierbij verklaart SANGOMA dat het toestel Vega 100G, Vega 200G in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/30, 2014/35, 2011/65, 2015/863.
- Par la présente SANGOMA déclare que les Vega 100G, Vega 200G sont conformes aux exigences essentielles et aux autres dispositions pertinentes des Directives 2014/30, 2014/35, 2011/65, 2015/863.
- Härmed intygar SANGOMA att denna Vega 100G, Vega 200G står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Undertegnede SANGOMA erklærer herved, at følgende udstyr Vega 100G, Vega 200G overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Hiermit erklärt SANGOMA, dass sich dieses Vega 100G, Vega 200G in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 2014/30, 2014/35, 2011/65, 2015/863 befindet (BMW i).
- ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ SANGOMA ΔΗΛΩΝΕΙ ΟΤΙ Vega 100G, Vega 200G ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/30, 2014/35, 2011/65, 2015/863.
- Con la presente SANGOMA dichiara che questo Vega 100G, Vega 200G è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/30, 2014/35, 2011/65, 2015/863.
- Por medio de la presente SANGOMA declara que el Vega 100G, Vega 200G cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- SANGOMA declara que este Vega 100G, Vega 200G está conforme com os requisitos essenciais e outras disposições da Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- Hawnhekk, SANGOMA, jiddikjara li dan Vega 100G, Vega 200G jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Direttiva 2014/30, 2014/35, 2011/65, 2015/863.
- Käesolevaga kinnitab SANGOMA seadme Vega 100G, Vega 200G vastavust direktiivi 2014/30, 2014/35, 2011/65, 2015/863 põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
- Alulírott, SANGOMA nyilatkozom, hogy a Vega 100G, Vega 200G megfelel a vonatkozó alapvető követelményeknek és az 2014/30, 2014/35, 2011/65, 2015/863 irányelv egyéb előírásainak.
- SANGOMA týmto vyhlasuje, že Vega 100G, Vega 200G spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/30, 2014/35, 2011/65, 2015/863.
- SANGOMA tímto prohlašuje, že tento Vega 100G, Vega 200G je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/30, 2014/35, 2011/65, 2015/863.
- Šiuo SANGOMA deklaruoja, kad šis Vega 100G, Vega 200G atitinka esminius reikalavimus ir kitas 2014/30, 2014/35, 2011/65, 2015/863 Direktyvos nuostatas.
- Ar šo SANGOMA deklarē, ka Vega 100G, Vega 200G atbilst Direktīvas 2014/30, 2014/35, 2011/65, 2015/863 būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
- SANGOMA izjauja, da je ta Vega 100G, Vega 200G skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 2014/30, 2014/35, 2011/65, 2015/863.
- Hér með lýsir SANGOMA yfir því að Vega 100G, Vega 200G er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/30, 2014/35, 2011/65, 2015/863.
- Niniejszym SANGOMA oświadcza, że Vega 100G, Vega 200G jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/30, 2014/35, 2011/65, 2015/863.
- SANGOMA erklærer herved at utstyret Vega 100G, Vega 200G er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Noi SANGOMA declarăm că EXP100 respectă cerințele esențiale și alte dispoziții relevante din directivele 2014/30, 2014/35, 2011/65, 2015/863.
- SANGOMA декларирам на своя отговорност, че далекосъобщително устройство Vega 100G, Vega 200G съответства на съществените изисквания по 2014/30, 2014/35, 2011/65, 2015/863.

Marking

The **Vega 100G** and the **Vega 200G** bear the following CE mark:



Environmental Information

Waste Electrical and Electronic Equipment – WEEE



The WEEE (Waste Electrical and Electronic Equipment) legislation aims to raise the level of recycling of electrical and electronic equipment and to encourage designers to create products with recycling in mind.

The SANGOMA equipment that you bought has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end-of-life equipment in a sound way.

The crossed-out wheeled bin symbol invites you not to dispose of WEEE as unsorted municipal waste and to collect such WEEE separately.



Safety warnings and Precautions

- Access to the interior of this unit shall be made only by a qualified technician.
Disconnect the appliance before opening.
CAUTION: The ground lug is a main earth terminal that must be permanently connected to earth.
- Der Zugang ins Innere des Gerätes ist nur einem fachlich qualifizierten Techniker gestattet.
Trennen Sie das Gerät vor dem Öffnen.
VORSICHT: Die Erdungsöse ist einer der wichtigsten Erdungsklemme, die dauerhaft auf die Erde angeschlossen werden muss.
- Seul un spécialiste doit avoir accès l'appareil.
Déconnecter l'appareil avant de l'ouvrir.
ATTENTION: La cosse de terre est une borne de terre principale qui doit être connectée en permanence à la terre.
- El servicio de antenimiento y reparación de esta unidad solo puede ser realizado por técnicos autorizados por el fabricante.
Desconecte el aparato antes de abrirlo.
PRECAUCIÓN: El terminal de tierra es un terminal de tierra principal que debe estar permanentemente conectada a la tierra.

- L'accesso all'interno di questa unità `deve essere effettuata solo da un tecnico qualificato.
Scollare l'apparecchio prima dell'apertura.
ATTENZIONE: Il capocorda è mano che il terminale di terra deve essere collegato a terra in modo permanente.
- Достъп до вътрешността на този уред трябва да се извършва само от квалифициран техник.
Изключете уреда преди отваряне.
ВНИМАНИЕ: Заземената уxo е основна заземяваща клема, която трябва да бъде постоянно свързана към земята.
- Juurdepääs interjööri selle üksuse tehakse ainult kvalifitseeritud tehnik.
Enne avamist ühendage seade lahti.
ETTEVAATUST: Maapind kõrv on peamine Maa terminal peab olema püsivalt ühendatud maaga.
- Η πρόσβαση στο εσωτερικό της μονάδας πρέπει να γίνεται μόνο από εξειδικευμένο τεχνικό.
Αποσυνδέστε τη συσκευή πριν ανοίξετε.
ΠΡΟΣΟΧΗ: Η προεξοχή γείωσης είναι ένας κύριος ακροδέκτης γείωσης που πρέπει να είναι μόνιμα συνδεδεμένος με τη γείωση.
- Piekļuve interjera šīs vienības veic tikai kvalificēts tehniķis.
Pirms atvēršanas atvienojiet ierīci.
UZMANĪBU: Zemes lug ir galvenais zemes terminālis, kas ir pastāvīgi savienots ar zemi.
- Prieiga prie šio įrenginio viduje, turi būti atlikti tik kvalifikuotas specialistas.
Prieš atidarydami prietaisą, atjunkite jį.
ATSARGIAI: Pirmame rankena yra pagrindinis žemės terminalas, turi būti neišardomai sujungti į žemę.
- A készülék belsejé csak szakképzett szakember végezheti.
Nytás előtt húzza ki a készüléket.
FIGYELMEZTETÉS: A földelőfülk egy olyan fő földelő kapocs, amelyet állandóan a földhöz kell csatlakoztatni.
- Toegang tot het interieur van dit toestel wordt alleen door een gekwalificeerde technicus uitgevoerd.
Koppel het apparaat los voordat u het opent.
VOORZICHTIG: De grondvliegtuig is een hoofdterminal die permanent op aarde moet worden aangesloten.
- Tilgang til det indre av denne enheten skal kun utføres av en kvalifisert tekniker.
Koble fra apparatet før det åpnes.
FORSIKTIG: Jorden er en hoved jordterminal som må være permanent forbundet med jord.
- Dostęp do wnętrza tego urządzenia wykonuje tylko wykwalifikowany technik.
Odłączyć urządzenie przed otwarciem.
UWAGA: Uziemienie jest głównym zaciskiem uziemienia, które musi być trwale połączone z ziemią.
- O acesso ao interior desta unidade deve ser efectuado apenas por um técnico qualificado.
Desligue o aparelho antes de abrir.
CUIDADO: O terminal de aterramento é um terminal de aterramento principal que deve ser permanentemente conectado à terra.
- Accesul la interiorul acestui aparat trebuie efectuat numai de către un tehnician calificat.
Deconectați aparatul înainte de deschidere.
ATENȚIE: Urechea de împământare este un terminal principal de împământare care trebuie conectat permanent la pământ.
- Dostop do notranjosti te enote se izvede le strokovnjak.
Pred odpiranjem izklopite aparat.
POZOR: Tla nos je glavni zemlja terminal, ki mora biti stalno povezan z zemljo.

- Prístup do interiéru tohto prístroja môže vykonať iba kvalifikovaný technik.
Před otevřením odpojte spotřebič.
UPOZORNENIE: Uzemňovacia svorka je hlavná zemniaca svorka, ktorá musí byť trvalo pripojená k uzemneniu.
- Tämän laitteen sisätilojen saa suorittaa ainoastaan pätevä teknikko.
Irrota laite ennen avaamista.
VAROITUS: Maadoituskappale on maadoitusliitin, joka on kytkettävä pysyvästi maahan.
- Tillgång till det inre av denna enhet ska endast utföras av en kvalificerad tekniker.
Koppla bort apparaten innan du öppnar den.
FÖRSIKTIGT: Jordslangen är en huvud jordterminal som måste vara permanent ansluten till jorden.
- Aðgangur að innanverðu þessa eininga skal aðeins gerð af viðurkenndum tæknimanni.
Aftengdu tækið áður en það er opnað.
VARÚÐ: Jörðin er aðal jarðstöðvar sem verður að vera varanlega tengdur við jörðina.
- Access għall-intern ta 'din l-unità għandha ssir biss minn tekniku kkwalifikat.
Skonnettja l-apparat qabel ma tiftaħ.
ATTENZJONI: Il lug art huwa terminal prinċipali art li għandha tiġi mqabba b'mod permanenti mal-art.
- Adgang til det indre af denne enhed skal kun foretages af en kvalificeret tekniker.
Frakobl apparatet, før det åbnes.
FORSIGTIG: Ground lug er en hoved jord terminal, der skal være permanent forbundet til jorden
- Pristup unutrašnjosti ove jedinice obavlja samo ovlašteni tehničar.
Prije otvaranja isključite aparat.
OPREZ: Podnožje za uzemljenje je glavni zemaljski terminal koji mora biti trajno spojen na zemlju.

Making changes or modifications



Any changes and modifications not expressly approved by SANGOMA will void any compliance and regulatory approval, and will void the user's authority to operate the equipment.