Certificate no.:
TAA00003UX

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Network and Communication Components

with type designation(s)
OS6900-V48C8

issued to
ALE USA Inc.
Thousand Oaks, CA, USA

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Location classes:

Temperature	**B**
Humidity	**A**
Vibration	**A**
EMC	**B**
Enclosure	**A**

Issued at **Houston** on **2026-03-10**
This Certificate is valid until **2031-03-09**.
DNV local unit: **Certification & Inspection Services**

Approval Engineer: **Qi Ricky Li**

for **DNV**

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This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description
The OmniSwitch 6900 (OS6900) is a family of aggregation switches that can be installed as a top-of-rack boxes in data centres.

OS6900-V48C8 Switch provide 1+1 redundant hot-swapable power supplies and a hot-swapable fan tray. It includes SFP+ Ports that support 25G, EMP port, one console connector and one USB. It supports front-to-tear and rear-to-front.

Power Supplies:
OS6900-V48C8-PS-A-F (AC Power supply): 100 to 240VAC, 650W.
OS6900-V48C8-PS-D-F (DC Power supply): -48 to -72VDC, 650W.
Accessory: OS-DNV-ENH-FLTR

Application/Limitation
The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV Rules for Ships Pt.4 Ch.9, Control and Monitoring Systems.

Product certificate
If specified in the Rules, ref. Pt.4 Ch.9 Sec.1, the control and monitoring system in which the above listed hardware is used shall be delivered with a product certificate. For each such delivery the certification test is to be performed at the manufacturer of the application system before the system is shipped to the yard. The test shall be done according to an approved test program. After the certification the clause for application software control will be put into force.

Place of manufacture
Accton Technology Corporation
No.1, Zhihui 1st Rd., Zhubei City, Hsinchu County 302059 Taiwan

Tests carried out
Applicable tests according to DNV CG-0339, edition August 2021.

Marking of product
Manufacturer, type designation, serial number, compass safe distance.

Periodical assessment
The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:
- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of this certificate.