

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. NESAS095

Version No: 1.0

Approval date 20 March 2023

Approved by Head of Engineering Standards

This certificate is issued to

Supplier Siemens
Level 7, 380 Docklands Drive
Docklands, Victoria 3008

In respect of

Manufacturer Siemens - RuggedCom

Product description RuggedCom RS900G Switch

Item identification

RUGGEDCOM RS900G

Dual Gigabit Ports

- ▶ Pluggable optics (SFP)
- ▶ LC or SC connectors
- ▶ Bi-directional (single strand)
- ▶ Distances up to 70km

Hazardous Location Compliance

- ▶ Class 1, Division 2

Fast Ethernet Ports

- ▶ 8 - Fast Ethernet ports (10/100BaseTX)



Operating Temperature

- ▶ -40°C to +85°C
- ▶ No fans

Rugged Construction

- ▶ 20 AWG galvanized steel enclosure
- ▶ Conformal coating (optional)

Integrated Power Supply

- ▶ Universal high-voltage range: 88-300VDC or 85-264VAC
- ▶ Popular low voltage DC ranges: 24VDC (10-36VDC) 48VDC (36-72VDC)
- ▶ Dual isolated DC power inputs

Critical Alarm Relay

- ▶ Form-C failsafe contact relay: 1A@30VDC

Mounting Options

- ▶ DIN rail
- ▶ Panel mount

Application ARTC Network Wide

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Condition of Approval:

Conditions have been divided into three groups with specific accountability for their application.

General	<ol style="list-style-type: none"> 1. For use in accordance with ARTC standards.
Supplier / Manufacturer	<ol style="list-style-type: none"> 1. All documentation / manual from the supplier supporting this system shall be in English. 2. The supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011. 3. Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The Supplier shall notify ARTC of any modification or changes in order to obtain a valid updated certificate. 4. Any updates to the firmware / boot ware, that improves the network performance or improves the reliability of the network shall be notified to ARTC, along with release notes and updated manuals.
Design / Installation / Maintenance	<ol style="list-style-type: none"> 1. Drawings of network configuration to be provided as part of design. 2. Configuration of RS900G switch shall be in accordance with ESW-01-01. 3. Approved site specific configuration file, shall be provided as part of the signalling design documents and as-built documentation. 4. For use in accordance with ARTC signals construction standards and signal design standards. 5. Only Approved RS900G switch part number and accessories shall be used in design, installation and maintenance. 6. Only approved Firmware version and Boot ware version shall be used in design, installation and maintenance. 7. RS900G Rugged operating system user guide, RS900G Hardware Installation guide and RS900G Product data sheet shall be referenced for design, installation and maintenance.

Note/Comments

Issue date 20/03/2023

Expiry date N/A

Issued by

ARTC Manager Signalling Standards

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Approved Item List

RS900G SWITCH AND ACCESSORIES		
Description	Part Number	Additional Information
RS900G Switch 24 VDC Power Supply, DIN Rail Mount, Dual 1000LX Singlemode SC 1310nm 10km	6GK6090-0GS21-0BA0-Z A05	Standard Switch with SC connectors on the Gigabit Ports
RS900G Switch 24 VDC Power Supply, DIN Rail Mount, Dual 1000LX Singlemode SC 1310nm 25km	6GK6090-0GS21-0BA0-Z A06	Standard Switch with SC connectors on the Gigabit Ports.

Approved Software and Firmware		
Description	Part Number	Additional Information
RuggedCom Operating Software (ROS)	4.3.5	Firmware Versions prior to ROS v4.3.5 are NOT to be used. Firmware Versions after to ROS v4.3.5 are NOT to be used
Bootware	4.0.0	Boot ware version compatible with Firmware version 4.3.5 shall be used.