



## Rosie

Connect Tech's Rosie is a small form factor, rugged embedded system based on the NVIDIA® Jetson™ TX2 and Jetson™ TX1.

Housed in a rugged compact enclosure with optional mounting brackets, Rosie features revolutionary NVIDIA Pascal™ or Maxwell™ architecture with 256 CUDA cores delivering over 1 TeraFLOPs of performance with a 64-bit ARM A57 CPU.

Rosie's rugged system also provides USB, HDMI, Gigabit Ethernet, WiFi, and Bluetooth capabilities all with IP68 rated ingress protection. Custom face plates are easily accommodated using Connect Tech design services. Rosie is designed to operate in MIL-STD 810G and DO-160G harsh environments.

**Product Name:** Rosie  
**Part Number:** ESG501



## FEATURES

- ✓ 163.6mm x 108.0mm x 96.3mm  
(6.438" x 4.250" x 3.790")
- ✓ 1x HDMI, 2x GbE, 2x USB 2.0,  
IEEE 802.11 ac, 1x RS-232
- ✓ +9V to +36V Power Input
- ✓ Designed to MIL-STD 810g and  
DO-160G for shock and vibration
- ✓ Designed to IP68 ingress protection rating
- ✓ Extended Temperature Range  
-20°C to 80°C

Specifications	
Processor	NVIDIA Jetson TX2 or TX1, 1 TFLOP/s 256-Core
Memory	TX2: 8GB LPDDR4 TX1: 4GB LPDDR4
Storage	TX2: 32GB eMMC TX1: 16GB eMMC
Weight	1.43kg (3.15lbs)
Display	1x HDMI Type A
USB	2x USB 2.0 Type A
Ethernet	2x Gigabit Ethernet (10/100/1000) RJ-45s
Serial	1x RS-232
WiFi	IEEE 802.11 ac
Bluetooth	Bluetooth 4.0 (24Mbps)
Power Requirements	+9V to +36V
Design Rating	IP68 DO-160G MIL-810
Dimensions	Without Mounting Bracket: 163.6mm x 108.0mm x 96.3mm (6.438" x 4.250" x 3.790") With Mounting Bracket: 163.6mm x 146.1mm x 99.4mm (6.438" x 5.750" x 3.915")
Operating Temperature	-20°C to 80°C (-4°F to 176°F) with minimum airflow of 125 CFM for standalone operation

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