numurus
SMART SYSTEM SOLUTIONS

S2X-100-1K
A Smart System Development Platform

NVIDIA JETSON

|Powered by NEPI

S2X Smart System Platforms

S2X smart system platfroms with Numurus' NEPI Engine software provide developers a rapid turnkey solution for adding AI and autonomy to any robotic, smart sensing project, or automation project. Learn more about Numurus' S2X open-hardware solutions and NEPI software at: **www.numurus.com**

Hardware Features

- 1km depth rated housing
- NVIDIA Jetson GPU Processor
- 1x Gigabit Ethernet Input Port
- 1 TB Solid State Storage
- Trigger I/O Pass Through

NEPI Software Features

- Sensor Driver Manager
- Data Logging Manager
- AI Detection Manager
- Automation Manager
- Robot Operating System ROS

Hardware			*Electrical*	
GPU	NVIDIA Xavier NX or Orin NX Options		Input Voltage Range	10-36 VDC
Internal Storage	1 TB M.2 Card (2 TB Upgrade Option)		Output Voltage Range	Pass Through
			Power Estimates	10-15 W
Communications			*Mechanical*	
Ethernet Comms	1x GigE, 3x 100 Base-T		Main Connector	SubConn DBCR2013M (GigE)
Software			Optional Sensor-Side Connector	Blank, SubConn DBCR2013M (GigE), or MKS 310 (100 Mbits/s)
Ubuntu	20.04		Housing Dimensions	18.1 cm x 76.20 cm x 65.5 cm
NVIDIA Jetpack	5.0.2 for Xavier NX (5.1.1 for Orin NX)		Weight in Air/Water	2.5 lb / 1.5 lb
NEPI Engine Software	Latest release version		Depth Rating	1 km (4km Option Available)

Dim: mm

ZINC ANODE NUMURUS PN: 100535

63.50

76.20

SGE CONNECTOR DBCR2013M

A

180.66

132.66

4X M5 STAINLESS STEEL HELICOIL INSERTS

120.66

64.20