numurus
SMART SYSTEM SOLUTIONS

S2X-BXN-OEM
A Smart System Development Platform

NVIDIA JETSON

|Powered by **NEPI**

Hardware Features

• NVIDIA Xavier NX GPU Processor

• 2x Gigabit Ethernet, 1x WiFi

• 1x USB 2.0 and 1x USB 3.1

• UARTs, GPIO, I2C, CAN, and HDMI

• 1 TB Solid State Storage

• Heat Sink with Fan
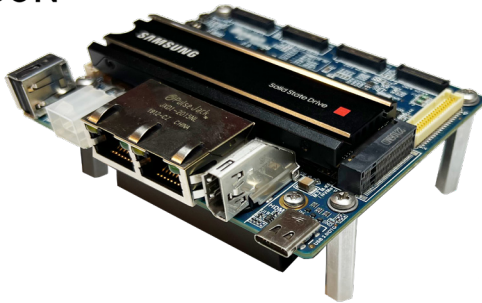
S2X Smart System Platforms

Numurus partners with leading GPU and AI processor providers to offer its line of S2X smart system platforms, each pre-installed with Numurus' NEPI Engine software for edge AI and automation applications. Learn more about Numurus' S2X open-hardware solutions and NEPI Engine software at: www.numurus.com

NEPI Software Features

• Integrated Sensor, Robotic, and Communications Drivers

• AI and Automation Applicaitons

• Local Browser-Based User Interfaces

• ROS and Web API Interfaces

Hardware

GPU	NVIDIA Jetson Xavier NX
Carrier Board	Connect Tech - Boson
Internal Storage	1 TB M.2 Card (2 TB Upgrade Option)

Communications

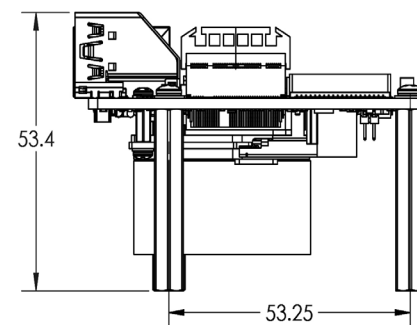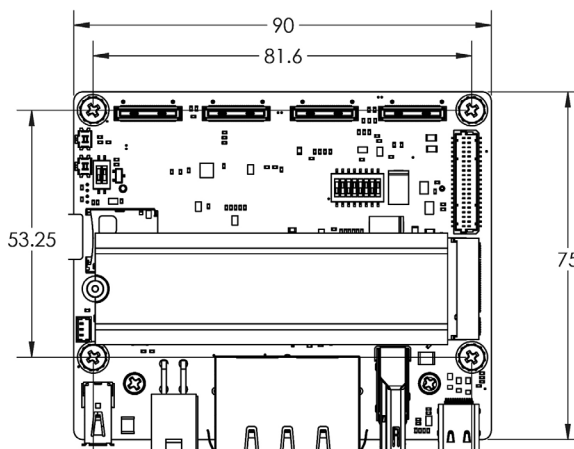|	
Ethernet Comms	2x Gigabit Ethernet, 1x WiFi M2 Board
USB Interfaces	1x USB 2.0 and 1x USB 3.1
Misc I/O	3xUARTs, 8xGPIO, 2xI2C, 1xCAN, 2xSPI, 1xHDMI

Electrical

Input Voltage Range	9-36 VDC
Power Estimates	10 W

Mechanical

Dimensions	90mm x 75mm x 54mm

Software

Ubuntu	20.04
NVIDIA Jetpack	5.0.2
NEPI Engine Software	2.1.1

Units: mm

Additional details are available from manufacture's website:
https://connecttech.com/product/boson-for-framos-carrier-board-for-nvidia-jetson-xavier-nx/

www.numurus.com