

Rugged IP67-rated Fanless Edge System with NVIDIA® Jetson Xavier™ NX, 1 HDMI, 1 GbE PoE, 1 USB and 100 to 240 VAC Power Input

- IP67-rating for outdoor use
- NVIDIA® Jetson Xavier™ NX with Volta™ GPU architecture with 384 NVIDIA CUDA® cores
- High AI computing performance for GPU-accelerated processing
- -30°C to +50°C operating temperature range
- 100 to 240 VAC wide range power input with 10kV surge protection
- 4 N-jack antenna openings with water proof design
- Features M12 lockable I/Os
- 1 IEEE 802.3at Gigabit LAN port (30W)

						
IP67	Fanless	Low Power	DDR4	100 - 240 VAC	PoE	Xavier NX

Standard Color	Black
Construction	Aluminum die-casting and heavy-duty steel, IP67
CPU Board	NVIDIA® Jetson Xavier™ NX
CPU	6-core NVIDIA Carmel ARM® v8.2 64-bit CPU 6 MB L2 + 4 MB L3
GPU	384-core NVIDIA Volta™ GPU with 48 Tensor Cores
System Memory	8GB 128-bit LPDDR4x onboard
Carried Board	SBC87904
System I/O Outlet	1 x C3 USB 2.0 1 x M12 X-Code Gigabit PoE (IEEE 802.3at) port (30W) 1 x C3 HDMI with FHD supported 1 x M12 S-Code 3-pos AC in power input 4 x N-jack antenna opening with water proof design
Watchdog Timer	Built-in Xavier NX
Storage	Onboard 16GB eMMC (via Jetson Xavier™ NX) 1 x M.2 Key B 2242 with PCIe 2.0 x2 NVMe SSD slot *The bootable device supported by eMMC only
Expansion Interface	1 x Full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x SIM slot
Power Input	100 to 240 VAC with 10kV SPD
Operating Temperature	-30°C to +50°C (-22°F to +122°F)
Humidity	10% - 95% , non-condensing
Vibration Endurance	3 Grms with SSD (5 to 500Hz, X, Y, Z directions)
Dimensions	210 mm (8.27") x 366.83 mm (14.44") x 83 mm (3.27")
Weight (net/gross)	4.31 kg (9.5 lb)/5.1 kg (11.24 lb)
Certifications	CE, FCC Class A
OS Support	Linux Ubuntu 18.04

DC Version
OVP (over voltage protection)
OCP (over current protection)
SCP (short circuit protection)
SPD (surge protection device)



Standard	
AIE800-904-FL	Rugged IP67-rated fanless edge system with NVIDIA® Jetson Xavier™ NX, 1 HDMI, 1 GbE PoE, 1 USB and 100 to 240 VAC Power Input
Optional	
M.2 NVMe SSD	128GB or above
594B8152710E	LAN/PoE cable, 180 cm
594K2303810E	HDMI cable, 100 cm
594K2302810E	USB cable, 200 cm
594K2300A10E	AC power cord, wire only, 180 cm
	Wi-Fi module kit
	LTE module kit

Technical drawing of the A(1.000) model showing top, front, and side views with dimensions:

- Top View:**
 - Overall width: 340.0
 - Overall height: 159.8
 - Internal width: 110.0
 - Internal height: 70.0
 - Mounting hole diameter: $\phi 4.5$
 - Mounting hole pitch: 8.0
 - Mounting hole diameter: $\phi 8$
 - Mounting hole diameter: $\phi 15$
 - Label: A(1.000)
- Front View:**
 - Overall width: 366.8(W)
 - Overall height: 83.8(H)
- Side View:**
 - Overall depth: 235.0(D)

Reference Only

