

AIC-110 and 110A



Reliable Connectivity, Anywhere, Anytime

Category	Specification
System	Processor: NXP i.MX6ULL 900MHz Arm® Cortex®-A7 Memory: 512MB DDR3L SDRAM Storage: AIC-110 : 512MB NAND Flash, AIC-110A : 32GB eMMC EEPROM: up to 16KB OS: Debian Stretch R01
Ethernet	LAN 1 & 2: 10/100 Mbps, RJ45
Storage	Micro SD: 1 slot, SDHC, up to 128GB (external)
I/O Interface	USB 2.0 Type A: 1 Serial: 2 COM RS-232/485 Isolated DIO: 12 (8 DI, 4 DO) CAN Bus: 2.0 A/B, 2 ports Console: 1 Micro USB Button: 1 User-defined, 1 Reset SIM: Nano SIM Slot LED: Power, Ready, Serial, CAN, DIO Antenna: 3 (WiFi/4G/LTE/GPRS/UMTS/LoRaWAN)
Expansion	Mini PCIe: 1 Full-size for USB/External SIM
Power	Input: DC 9–50V Interface: 3-pin Terminal Block (V+, V-, FG) Typical: 12V @ 500mA
Others	Watchdog Timer: Reset 0.5–128 sec./min
Software	OS: Debian Stretch R01, Linux Kernel 4.9.11, boot from SD/NAND, backup SD, EXT4 FS Toolchain: gcc-linaro-6.3.1-2017.05-x86_64_arm-linux-gnueabi/hf Script: Python, NodeJS
Mechanical	Dimensions: 91×91×47mm (3.6×3.6×1.8") Weight: 0.4 kg (0.9 lb) Mount: Wallmount bracket, DIN Rail optional
Environment	Operating Temp: -25°C to 70°C Storage Temp: -40°C to 85°C Humidity: 5–95% non-condensing Shock: IEC 60068-2-27 Vibration: IEC 60068-2-64 EMC: CE, FCC, EN50155, EN50121-3-2