

Home Gateway Solutions

NEW

VIA Alegro 100

Multi-protocol home gateway device



Features

- 800MHz VIA Cortex-A9 SoC
- Multi-protocol wireless connectivity including Wi-Fi, Bluetooth, ZigBee, Z-Wave, and KNX-RF
- Supports Ethernet and KNX-TP connectivity
- High performance external antennas
- Cross protocol wireless home router for multi-device management

Specifications

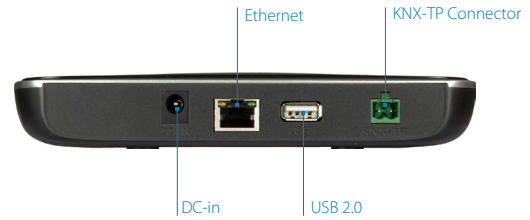
Model Name	Alegro 100
Processor	800MHz VIA Cortex-A9 SoC
System Memory	512MB DDR3 SDRAM onboard
Storage	4GB eMMC Flash memory
Boot Loader	512KB SPI Flash ROM
LAN	VIA VT6113 10/100 base-TX PHY chip
KNX-TP	Siemens KNX EIB TP-UART2 KNX transiver
KNX-RF	Radiocrafts RC1180-KNX2 KNX-RF module
ZigBee	Silicon Labs EM3581 ZigBee controller
Z-Wave	Sigma Designs ZM5304 Z-Wave module
Front Panel I/O	1 Power on/off button & power indicator LED
Back Panel I/O	1 USB 2.0 ports 1 10/100Mbps Ethernet port 1 KNX-TP connector 1 DC-in jack 4 Antennas
Power Supply	12 ~ 24V DC-in
Operating System	Android 4.0, Linux kernel 3.0.8
Mechanical Construction	Plastic chassis
Mounting	Built-in wall mountable holes Optional VESA mounting bracket (75mm x 75mm) Optional DIN Rail kit
Operating Temperature	0°C ~ 50°C
Operating Humidity	0% ~ 90% @ 40°C (non-condensing)
Storage Temperature	-20°C ~ 70°C
Dimensions	171.4mm(W) x 28.4mm(H) x 114.7mm(D) (6.73" x 1.1" x 4.51")
Weight	TBD
Compliance	CE, FCC



Front Panel I/O



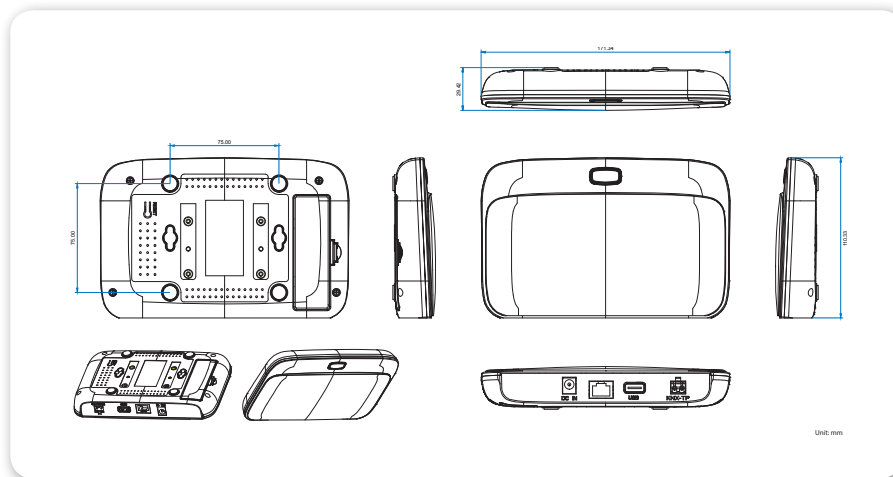
Back Panel I/O



Ordering Information

Part Number	SoC Frequency	Description
ALG-100-1S08A1	800MHz VIA Cortex-A9 SoC	Cross protocol Wi-Fi, Bluetooth, ZigBee, Z-Wave, KNX-RF, KNX-TP Wireless router with 800MHz VIA Cortex-A9 Soc with USB 2.0 port, 10/100Mbps Ethernet, KNX-TP connector, 12-24V DC-in

Dimensions



Packing List

Items
VIA Alegro router
AC-to-DC adapter