

MINI GATEWAY




EMSYS Mini Gateway (SRV-1100) is primarily designed to serve smaller and remote sites as a Wireless to IP and IP to Wireless bridge. It is also an application server which means that it allows direct access to the collected data through a variety of interfaces.

ModbusTCP, ModbusRTU and SNMP are a few examples of industry standard protocols supported by EMSYS Mini Gateway.

OPERATING SPECIFICATIONS

Processor:	AM335x 1GHz ARM Cortex-A8
Memory:	RAM: 512 MB DDR3 Onboard Flash: 4GB 8-bit eMMC MicroSD card 3.3 V Supported
I/O ports:	USB Standard A host port (direct) USB mini B device port (direct) Micro HDMI LAN
Power Supply:	2.1 mm x 5.5 mm 5 V jack POE (IEEE Alternative B) via injector and splitter Mini USB

Operating Temp.:	32 °F to 104 °F (0 °C to 40 °C)
Storage Temp:	32 °F to 104 °F (0 °C to 40 °C)
Humidity:	5 - 85 %, non-condensing
Dimensions & Weight:	1.1" x 2.4" x 3.9" (28 mm x 62 mm x 100 mm) 3.5 oz (100 g)
Regulatory Compliance:	

KEY ATTRIBUTE

EMSYS Mini Gateway can be used as a bridge between a remote site and a central server and as a standalone application server for a smaller site with most of the functionality of the regular Gateway.

Tablet SRV-1500



The EMSYS Tablet serves as a dedicated mini gateway to its corresponding cabinet, collecting data from wireless sensors and forwarding them to the central gateway.

Recent Readings are available on the tablet and users have the ability to switch between the different views: Dashboard, Battery, Graph, and List. Using the toolbar on the top of the page, they can select which parameters they would like to view and sort by.

Users are also able to send simple commands to sensors within the cabinet including reset and getsample commands.

OPERATING SPECIFICATIONS

CPU	ARM Cortex A7 Dual-Core, 1.2Ghz
RAM	2 GB
Display	7 Inch IPS Display Resolution:1024 x 600
Network	WIFI (802.11b/g/n), Bluetooth 4.0 support BLE Ethernet RJ45
Interfaces	Ethernet Interface(RJ45) HDMI Out USB 2.0 port USD HOST Mode Default DC IN Power Terminal (9V-36V)

Environmental Specifications:	Operating Temp: -10°C to 60°C Storage Temp: -20°C to 80°C Humidity: 5% ~ 90% (non - condensing)
--------------------------------------	--

Regulatory Compliance:	
-------------------------------	---

GATEWAY



The EMSYS Gateway (SRV-2000), a standalone, ruggedized application server, is used to collect data from the EMSYS wireless network enabling users to easily access collected data through a variety of interfaces.

ModbusTCP, ModbusRTU, SNMP are a few examples of industry standard protocols supported by EMSYS Gateway.

EMSYS Gateway acts as a standalone web server allowing users to access and review the latest and historical data using any web browser.

OPERATING SPECIFICATIONS

Processor:	Intel ATOM N270 1.6 GHz
FSB:	533 MHz
Chipset:	North Bridge: Intel 945GSE chipset South Bridge: Intel ICH7M chipset
Memory:	Single channel DDR2 533/667 MHz SO-DIMM, up to 2 GB
LAN:	Gigabit Fast Ethernet by Intel 82574 GbE controller
Hard Drive:	128 GB Solid State Hard Drive
Power Supply:	Input: 100 - 240 V~, 50 - 60 Hz Output: 20 V, 2.0 A
Left Panel I/O:	1 wireless LAN antenna (optional) 1 power button 1 RS-232/422/485 serial port 1 DC power jack 3 USB ports

Right Panel I/O:	2 Gigabit LAN jacks (optional) 1 headphone/speaker jack (green) 1 microphone jack (pink) 1 USB port 1 DVI-I port 1 802.15.4 antenna connector
------------------	--

Environmental Specifications:	Operating Temp: -10 °C to 60 °C Storage Temp: -20 °C to 80 °C Humidity: 5 % ~ 90 % (non - condensing)
-------------------------------	--

Regulatory Compliance:



Dimensions & Weight:	10.2" x 7.1" x 0.7" (260 mm x 180 mm x 19 mm) 2.4 lb (1.08 kg)
----------------------	---