

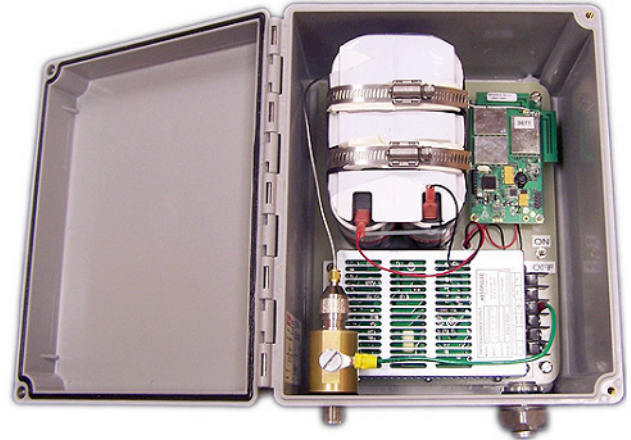
## DESCRIPTION

### Application:

The FlexNet Network Portal (FNP) is an optional receive and transmit unit that provides simple store and forward messaging from Sensus FlexNet SmartPoints. Units are strategically placed after the complete deployment of FlexNet Tower Gateway Base Stations (TGB). Once areas within a network have been identified to have little or no coverage, the FNP provides an economical solution within an existing network. Messages are collected at the FNP and transmitted to the TGB over a primary licensed frequency to assure that coverage is provided within a designated service territory.

### Operation:

The FNP operates within a deployed network to assure that messages are received at the Regional Network Interface (RNI). The FNP typically can support up to four hundred (400) FlexNet SmartPoints within a serviceable range of an installed network. RF transmissions on the Sensus primary licensed frequency allow the FNP to receive and transmit messages from Sensus FlexNet SmartPoints to the TGB. By incorporating RF transmission as the backhaul communications method, the utility has greater flexibility in installation options. Numerous locations such as light poles, buildings or existing utility structures with access to AC power (110- 240 VAC) provide excellent locations for FNP installations. Flexible antenna options can be utilized to maximize performance. The FNP incorporates a battery back up power source should a power outage occur which allows for seamless operation.



## SPECIFICATIONS

<b>INSTALLATION:</b>	Utility pole, light standard, or any standing structure with an AC power source.
<b>PHYSICAL CHARACTERISTICS:</b>	10" x 8" x 4"
<b>WEIGHT</b>	23lbs (10.43 kg)
<b>ENCLOSURE:</b>	Single Door Steel Enclosure – NEMA Standards 4, 12, 13
<b>COLOR:</b>	Grey
<b>FREQUENCY RANGE:</b>	900 – 950 MHz
<b>MODULATION:</b>	Proprietary Narrow Band
<b>APPROVALS:</b>	Auto-Switching Universal 90 – 240VAC
<b>US:</b>	FCC CFR 47: Part 90, Part 24D, Part 101C, Part 15 Licensed operation
<b>CANADA:</b>	Industry Canada (IC) RSS-134, RSS-119, RSS-2
<b>POWER:</b>	110/240 VAC
<b>OPERATING TEMPERATURE</b>	-35° F to +165° F -37° C to +74° C
<b>BATTERY:</b>	8V 2.5AHr SLA (sealed lead-acid)
<b>WARRANTY:</b>	Refer to Sensus G-500 for warranty information