

## SPx-B0808 Sensplorer-M Base Module



### CLOUD MONITORING

Sensplorer's MQTT protocol support presents secure, accurate, prompt mobile and cloud based monitoring

### REMOTE MONITORING

Remote monitoring is key for safe, efficient and sustainable operations. Today's environmentally conscious operations cannot be run without precise monitoring and controlling of environmental parameters

### NETWORK ACCESS

Access to information regardless of location is mandatory. Access to the current status of the site should be handled via any type of communication link.

Sensplorer supports cable, wireless and GSM networking.

### PROPERTY and BUILDING MANAGEMENT SYSTEM

Sensplorer is a complete PMS/BMS. Sensplorer also feeds all information to the existing SCADA and/or PMS/BMS systems too. Modbus TCP is the standard integration protocol. Please ask for more...

[www.sensplorer.com.tr](http://www.sensplorer.com.tr)

- TCP/IP based environment monitoring system.
- Sensors / Parameters count is expandable up to 64 in total.
- Cloud based monitoring enabler
- IoT enabled protocol support
- MQTT, AMQP support for mobile applications
- Web based monitoring and reporting
- Standard 10/100 Ethernet LAN port, GPRS/UMTS backup is optional
- E-mail, SMS, Phone call, SNMP, Syslog alerting, Messaging
- Hardware and Operating System :

### System Specifications

- 256Mb NAND flash memory
- 454MHz I.MX28 Series ARM926EJ-S CPU
- 128 Mb DDR2 RAM
- Linux 2.6.35 kernel
- 2 x RS-485 port
- 2 x USB Device port
- 1 x MicroSD card slot

### Input / Output

- 8 x sensor port
- 8 x dry contact inputs
- 1 x Temp.&Humidity Sensor port
- 1 x Flooding Sensor
- 4 x Relay output (NO/NC)
- 1 x 10/100 RJ45 Ethernet port
- 1 x CAN module expansion port

**Sensplorer** is a monitoring and alert system that continuously measures parameters and environment data of critical locations. Warnings and/or alarms are sent to people or systems when out of range values are observed. Sensplorer not only monitors environment values but also can take actions upon predefined situations.

Sensplorer system is accessed through an IP network. Built-in web server presents the information collected by the system to outside users and/or servers. System configuration is also done through the secure web server.

The IP network can be a LAN, wireless LAN or a wide area network. An optional GSM/GPRS module gives the flexibility and reliability of operations upon network failures or at locations where no direct IP access is possible.

Sensplorer System Architecture implements an all IP contemporary design, based on industry standard protocols and technologies.

The system can be deployed as a single box solution for a small installation. Such configuration delivers all essential environment and power line condition information by utilizing the sensors. Sensors available are :

- Temperature and Humidity
- Temperature
- Water Flood
- Vibration/Shock
- Barometric Air Pressure
- Air Quality / Smoke
- Dry Contacts Input
- Analog/Digital Input
- DC and AC RMS Voltage
- DC and AC RMS Current

Always monitor your assets wherever you are...

### SENSPLORER ALWAYS LETS YOU KNOW WHAT'S GOING ON

Sensplorer sends message to the assigned people to let them know a status change occurred

Users can request the current state of sensors whenever they want to know

All these assignments are completely customizable and easy to use

### EXPANDABILITY

Sensplorer has a modularly expandable design protecting the current investment. The expansion size depends on the type of Sensplorer base module used

### GOING GREEN

Sensplorer helps you to run an environmentally conscious operation



[www.sensplorer.com.tr](http://www.sensplorer.com.tr)

**Sensplorer** system also monitors SNMP, Modbus RS485/RS232 RTU supporting devices continuously and checks if the value is within the user-defined range. If any parameter exceeds upper/lower limits, it alerts as with respect to assigned rules.

By using the proper Sensplorer expansion module, UPS, DC Power Supply, HVAC, Free Cooling, Energy Power Analyzers, Diesel Generator Sets, Fire Alarm Systems, Burglar Alarms, SNMP devices on LAN/WAN, Access Control Systems, IP Cameras can be integrated system for a whole monitoring and control solution for the critical environment.



## Technical Specifications

Power	: 12VDC standard
Energy Cons.	: max. 36 Watt
Size	: 270 mm x 210 mm x 45 mm (w x h x d)
Working Temp.	: 0 °C/+70 °C Commercial
Storage Temp.	: -40 °C ile +85 °C
Standards	: CE, LVD 2006/95/AT
LAN	: 10/100 UTP
TCP/IP Protocols	: HTTP, HTTPS, SMTP, NTP, MQTT, AMQP, JSON, REST, SSH2, TELNET, SYSLOG
User Access	: User & Pswd, LDAP, Active Directory
SCADA Protocols	: IEC 61850 MMS, IEC 60870-104, Modbus TCP
SNMP Support	: v1, v2c, v3
IPv6	: Supported

## MEG Elektrik-Elektronik Bilgi ve İletişim Sistemleri Ltd.Şti.

Reşitpaşa mah. Katar cad. İTÜ ARI-1 Teknokent No:2/5/4  
Maslak Sarıyer İSTANBUL/TURKEY

Tel : +90 (212) – 287 34 07

Fax : +90 (212) – 287 33 48

e-mail : [info@meg.com.tr](mailto:info@meg.com.tr)

