



Install Module and Power-Up

1. Verify monitor firmware version (1.1.6 or later is required).
2. Power-down (turn off) the monitor and remove the dummy plug on the back of the monitor.
3. Insert the Module.
 - The module is keyed and can only be inserted in one orientation.
 - NEVER attempt to insert or remove the module when the monitor is powered. Doing so could cause permanent damage and void warranties for both monitor and module.
4. Power-up (turn on) the monitor and wait until the **EXT** icon turns green (see image below).

LTE Only: "LTE: No Cloud Connection" displayed instead of "Ready to Test"

 - LTE not connected to Cloud – relocate to find better reception or disable LTE
 - When LTE is disabled but module is inserted, environmental sensors remain active



1028-XP Menu Navigation



- 1 Device Status Menu (NOT user editable; press **More** to scroll through screens)
 - Module and SIM Serial Number & Firmware Versions
 - Module Status: LTE Status, Records to be Sent, Environmental Sensor Status
- 2 Monitor Settings (user editable, press **More** to scroll through screens)
 - LTE Disabled/Enabled: when Disabled, allows to test without LTE but with Environmental Sensors
 - To Disable/Enable: press **2**, press **More**, Toggle LTE Module **Disabled/Enabled**, press **Save Settings**

Specifications

- 1028-XP Battery Life: 240h/350h NOTE: Modules shipped after 03/25/20 (identified by USB-C connector)
- **LTE Only:** Hourly cloud synchronization including data upload and cloud stop/restart command execution

| Sensor | Sensor Type | Range | Resolution | Uncertainty |
|-------------------|-------------|--------------|------------|-------------|
| Relative Humidity | Absolute | 10 to 95% | 1.0% | 2.0% |
| Temperature | Absolute | 40 to 105F | 1F | 2.0% |
| Pressure | Absolute | 80 to 110kPa | 0.01kPa | 0.2% |

NOTE: When module is inserted and ready, sensor data are automatically reported through OneRADON

LTE Modules Only

- Network: AT&T North America, coverage map www.att.com/maps/wireless-coverage
- Wireless Module: 4G LTE-M, Cat M1 (375kbps), Bands 2/4/12
- LTE-M SIM Card preinstalled and activated
- PTCRB Certified, AT&T IoT Network Ready Approved
- LTE OneRADON Cloud Licenses managed and paid through www.oneradon.com
- 6 months minimum @ \$119/6 months, requires Level 1 Monitor license

NOTE: When registering your device at www.oneradon.com, you will be asked to provide the Module Serial Number and SIM Number

Status Indicator and Troubleshooting

| Indicator | Status | Action | Description |
|---------------|-------------------------|----------|---|
| EXT | Normal Operation | Ready | Module is ready, LTE not currently sending data |
| EXT | LTE Disabled | Enable | Enable LTE, see steps above |
| EXT | Power-up failure | Reinsert | Power-down, re-insert, power-up |
| No "EXT" icon | Module not detected | Reinsert | Power-down, re-insert, power-up |
| EXT | Module Updating | Wait | Module is Updating or Initializing |
| EXT | LTE is currently active | None | Normal operation, LTE is currently sending data |
| EXT | Temporary failure | Relocate | Move monitor to find better reception |

Terms and Conditions, Product Warranty

- Terms and Conditions can be found here: <https://sunradon.com/pages/terms-and-conditions>
- For Product Warranty information, go to <https://sunradon.com/pages/product-warranty>

LTE Disclaimer

The LTE Module utilizes an AT&T and FCC approved wireless module. In addition, SunRADON qualified the 1028-XP with LTE to be an AT&T IoT Network Ready approved device.

A list of all approved devices can be requested from AT&T. Such approval is based on rigorous 3rd-party, certified lab testing, and guarantees compliance to AT&T carrier performance requirements including wireless reception, signal quality, and signal strength.

For the most current wireless coverage info in your area, check www.att.com/maps/wireless-coverage. Map estimates outdoor coverage. Coverage may include areas that are served by unaffiliated carriers and not an AT&T's owned and operated network. Wireless coverage is not guaranteed and is subject to change without notice.

The 1028-XP LTE Module comes with a pre-activated LTE-M SIM card and no further SIM card activation is required. SunRADON manages the AT&T service on your behalf for the duration of your LTE OneRADON Cloud license, which you can purchase and renew at www.oneradon.com. Upon expiration of your LTE OneRADON Cloud license the SIM card will be deactivated.



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