

ACCESS2000-LITE

Long-Range Wireless Gateway & Network
Controller with 4 GB Onboard Memory



ACCESS2000-LITE is optimized for software integrators, Modbus users, and cloud-connected deployments that do not require substantial onboard data storage. It includes **4 GB of onboard memory** instead of the standard 64 GB and is recommended for applications utilizing **MQTT, WebSocket, or Modbus** where long-term storage and analytics are performed externally. The ConnectView Web App comes preinstalled on all gateways and offers basic sensor configuration.



Product Features

Connect any CTC Connect compatible products to the data analysis software of your choice via Wi-Fi or Ethernet. (Note, requires an internet connection).

30 sensor inputs* - Mix and match any ConnectSens™ wireless sensors.

Receives and facilitates bi-directional transfer of data from CTC Connect devices within the LAN.

Supports WebSocket, MQTT IoT, and Modbus protocols.

For remote gateway management and data backhaul to an offsite aggregator, an internet connection is required. Approved solutions are Teltonika RUTM20 for cellular connectivity and Starlink for satellite connectivity.

Recommended for:

- MQTT and WebSocket integrations
- Cloud-based monitoring platforms
- Third-party software integrations
- Modbus applications where historical visualization is handled externally

Component Specifications

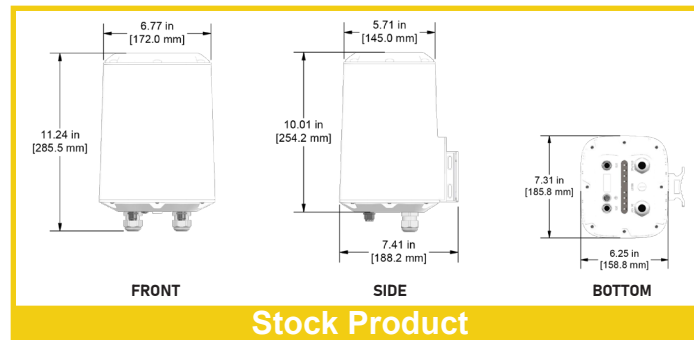
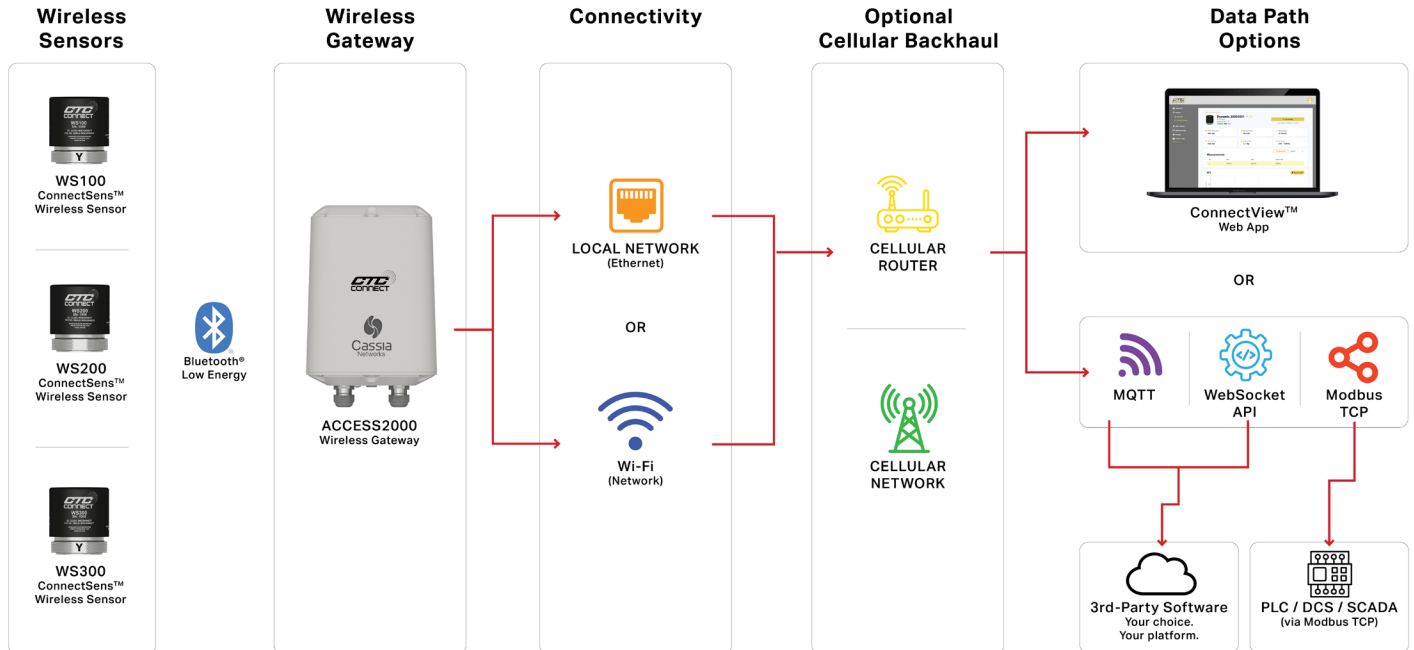
Network Connectivity	Wi-Fi (802.11 a/b/g/n/ac) or Ethernet
Sensor Communication	Bluetooth® Low Energy 5.2 from CTC ConnectSens™ wireless sensors
Supported Signal Strength	-20 dBm to -75 dBm†
Connected Sensor Range	≥ 140 m*
ISED	22505-X2000
FCC	2ALGLX2000
Storage	4 GB
Case Material	ABS Plastic
Compatible Sensor	Any CTC ConnectSens™ wireless sensor
Power	DC12V/2A or 57Vdc 350 mA (PoE)
Power Consumption	Up to 2.5W for normal usage
Input Count	30 sensor inputs* - Mix and match ConnectSens™ WS100, WS200 and WS300 sensors
IP Rating	IP66
Temperature Range	Temperature: -40 °C to +65 °C (-40 °F to +149 °F)
Certifications	FCC (US), NRTL (US), IC (Canada), CE (Europe & United Kingdom), SRRC (China), China RoHS, CB, RoHS, REACH, RCM (Australia & New Zealand), TELEC (Japan), BQB, CRC (Colombia), NCC & BSMI (Taiwan), ANATEL (Brazil), ICASA & NRCS (South Africa), SUBTEL (Chile), IMDA (Singapore), SIRIM (Malaysia), NRTA (Egypt), IFT & NYCE (Mexico), PTA (Pakistan), EANCOR (Argentina), NBTC (Thailand), MTC (Peru), MOC & SII (Israel), KC (South Korea), SUTEL (Costa Rica), SIT (Guatemala), INDOTEL (Dominican Republic), SMA (Jamaica), NTC (Philippines), TRA & ECAS & RoHS (UAE)

*Each ACCESS2000 gateway is capable of discovering more than 30 dynamic sensors; however, each gateway is only capable of maintaining 30 active BLE connections at one time. Sensors beyond this will be in advertising mode until there is time to service them. CTC recommends 1 gateway per 30 dynamic sensors for maximum validated and supported system performance.

†Wireless sensor range is highly dependent on the industrial environment and its impact on Bluetooth® signal strength. Sensors have been tested over **140 m (459 ft.)**; however, this value is provided as a guideline only. Reliable operation requires a minimum received signal strength of **-75 dBm**. If signal strength falls below -75 dBm, the gateway must be repositioned closer to the sensor or an additional gateway added.

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Configuration Information

ACCESS2000-											
Wireless Gateway				Storage Capacity				Power Source			
				Blank = 64 GB on board LITE = 4 GB on board				12VDC-US = US 12 V power supply POE = Powered over Ethernet			