

ACCESS2000

Long-Range Wireless Gateway & Network Controller
Preloaded with ConnectView™ Web App



Product Features

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

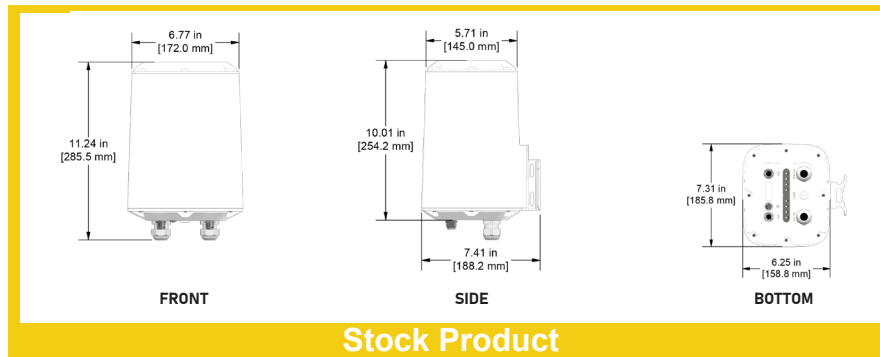
Receives data from CTC Connect devices and facilitates bi-directional transfer of data within the LAN.

30 sensor inputs* – Mix and match ConnectSens™ WS100, WS200 and WS300 sensors.

Supports WebSocket, MQTT IoT, and Modbus protocols.

Compatible with any existing CTC ecosystem using ACCESS360 ConnectBridge™ Gateways.

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



Stock Product

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	64 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), EANCOM (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.

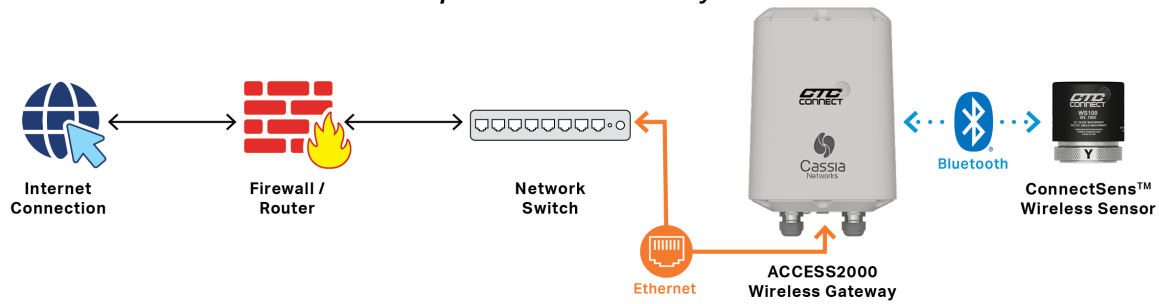
†Wireless sensor range is highly dependent on the industrial environment and its impact on Bluetooth® signal strength. Sensors have been tested over **140 m (459 ft.)**; however, this value is provided as a guideline only. Reliable operation requires a minimum received signal strength of **-75 dBm**.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

ACCESS2000

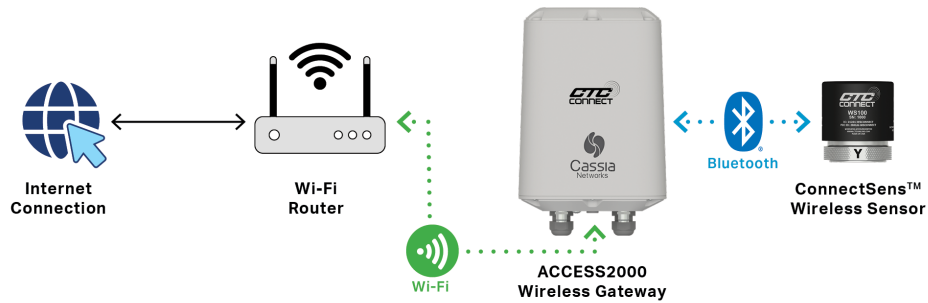
Long-Range Wireless Gateway & Network Controller
Preloaded with ConnectView™ Web App



TRADITIONAL CORPORATE WIRED NETWORK TOPOLOGY *preferred for stability*



WIRELESS NETWORK TOPOLOGY



CELLULAR AND WIRELESS NETWORK TOPOLOGY

