

Greenhouse control made simple through the most advanced technology available. A completely integrated hardware and software system that is modular - making GEMLink the most flexible and adaptable system on the market. QCOM Controls now offers a QLink Wireless solution enabling GEMLink to interface to remote locations entirely wirelessly. This provides an effective solution when a GEMLink system needs to be extended across highways, waterways or similar obstacles to traditional cabled systems. There is no practical limitation to the range of the QLink Wireless system when using appropriate antennae.

QLink Wireless

The QLink Wireless system utilizes proven, industrial grade wireless technology that is fully FCC and IC approved for use in the USA and Canada.

QCOM Controls will undertake a survey of the intended location before offering an effective QLink Wireless system. The system will be configured to suit local conditions and topography.

QLink Wireless can operate alongside an existing RS485 hard wired system to reach areas impossible to connect by conventional methods.

A single QL-WL-HOST-USB unit can operate with either a single QL-WL-REMOTE-RS485 unit or multiple remote units.

GEMLink operates seamlessly with the new QLink Wireless systems.

QLink Wireless data is protected by Advanced Encryption Standard (AES) which uses a 256-bit key. The AES algorithm meets Federal Information Processing Standard-197 (FIPS-197 certified).

The system uses Frequency Hopping Spread Spectrum with 10 hop sequences sharing 50 frequencies which ensures that multiple systems can operate independently without interference.

QCOM offers a range of QLink Wireless options to suit all applications. All options are supplied as fully integrated systems, complete with all cables, interfaces and antenna.

The QL-WL-HOST-USB unit connects to the GEMLink PC via a USB cable. The USB cable is 16ft long as standard but this can be extended using active USB cables up to 84ft. The QL-WL-HOST-USB unit should be mounted as high as possible to ensure optimum data transmission range and reliability. The standard unit is supplied complete with the QL-WL-ANT-5 magnetic base antenna unit with 10ft cable.

The QL-WL-REMOTE-RS485 unit includes the QL-WL-ANT-5 magnetic base antenna unit with 10ft cable and a QL-AD-HESP to provide RS485 line protection. This unit connects directly to the RS485 cable that links to the standard QLink boxes that comprise the system. Each QL-WL-REMOTE-RS485 unit can be connected to up to 4,000 feet of RS485 communication cable with up to 64 QLink boxes.

The effective range of the QLink Wireless system is dependant upon various factors, including site layout, topography etc. We offer a range of antenna solutions that can provide a line-of-sight range of several miles.

The new QLink Wireless system can extend GEMLink systems where previously impossible due to highways, waterways or where running a communications cable was simply impractical.

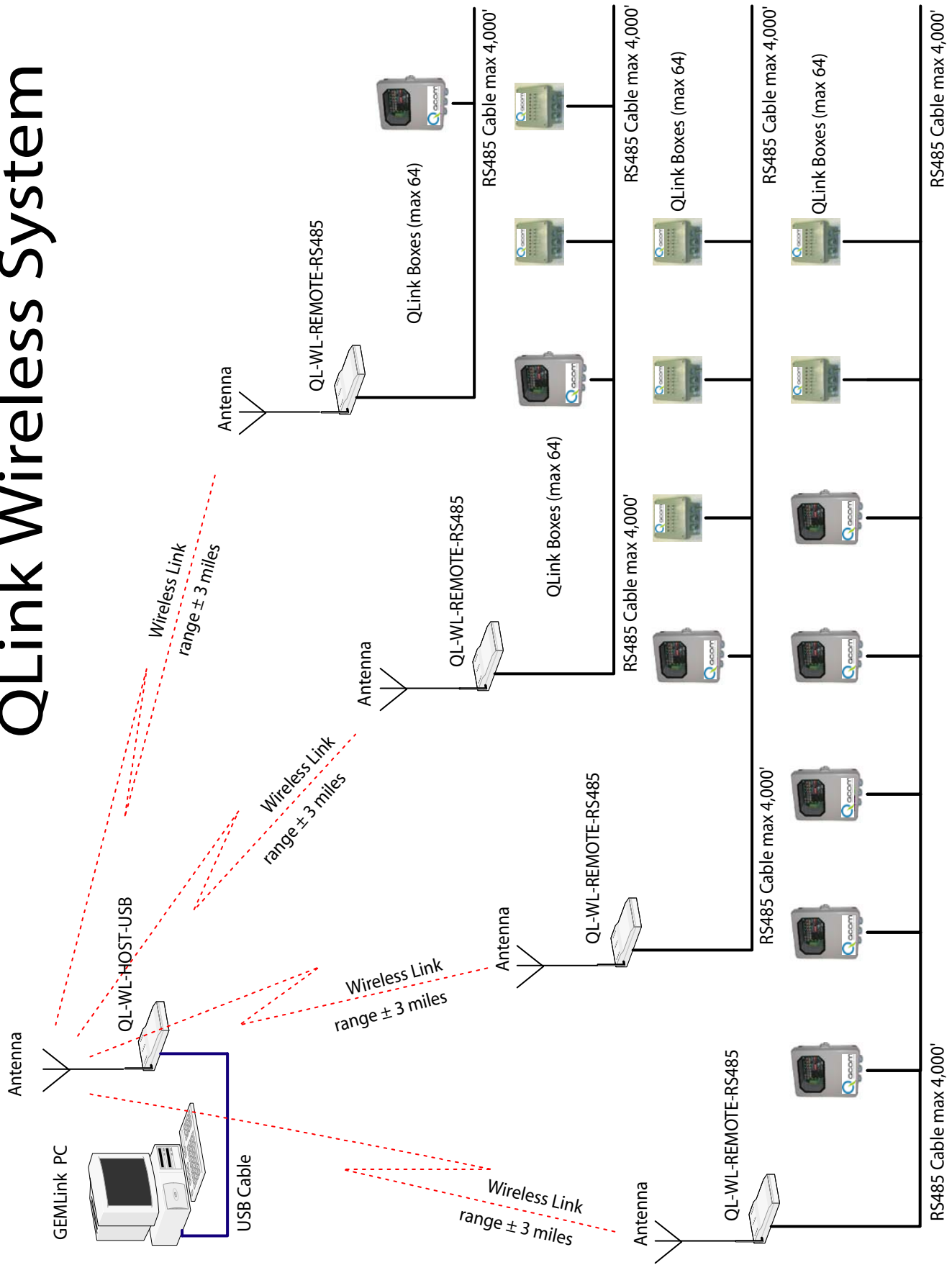
We invite you to contact QCOM Controls for more information and to discuss how we can extend and connect your facility.

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