

APPLICATION NOTE AN040

Mega_Link 2

Licenced Frequency Communications

Mega_Link 2 normally operates using its internal UHF radio module for deregulated licence-exempt low power radio applications as authorised under Ofcom IR2030/2/6.

Mega_Link 2 can also be used to communicate using an external industrial radio modem to form a licenced frequency UHF radio link or network in accordance with Ofcom IR 2037.

Mega_Link 2 protects its data using AES-256 encryption on transmitted messages.

An example external industrial radio modem is the Racom RipEx2-4 Radio Modem & Router

Notes:

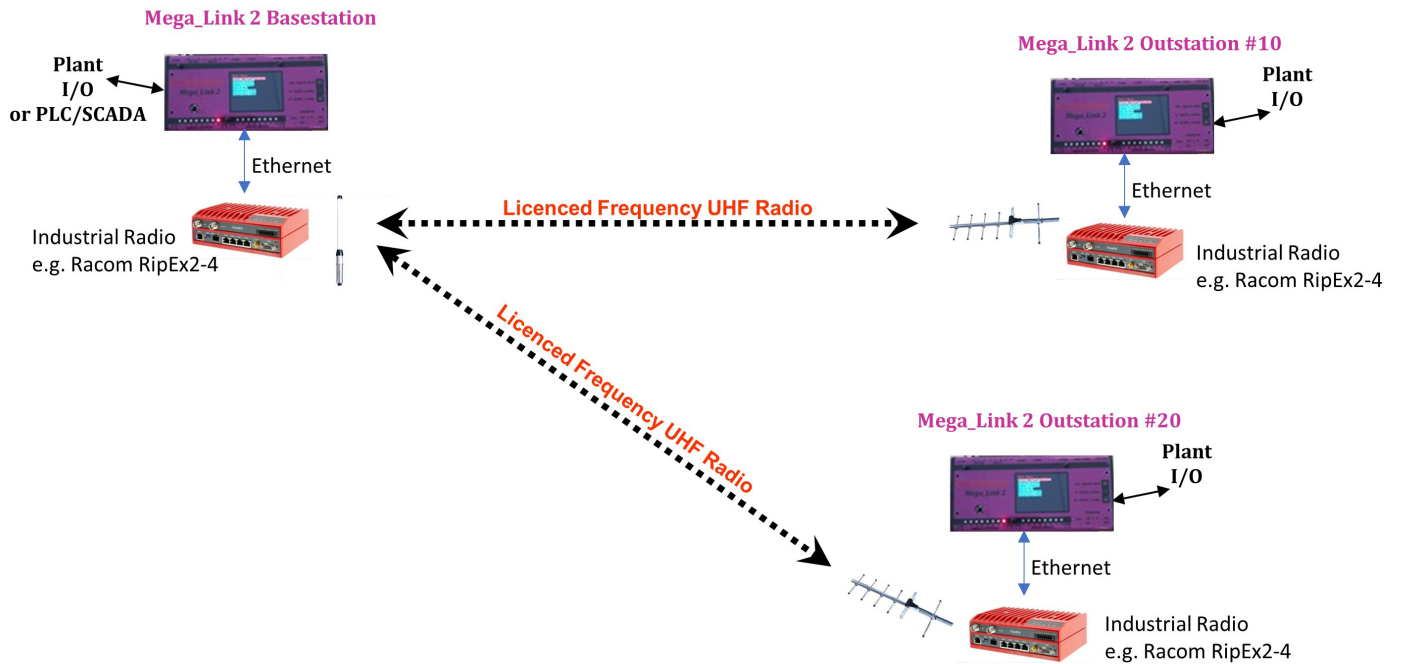
1. Simple plug-in to RJ45 Ethernet (COM4) on Mega_Link 2 for TCP/IP or RS232 serial.
2. Configure the radio interface on Racom RipEx2-4 for Bridge Mode.
3. Configure the radio protocol on Racom RipEx2-4 for Transparent and Half Duplex.
4. Churchill Controls can perform radio path site survey and assist with contact information for the licence issuing authority and the licence application process.

Mega_Link 2 – Licenced UHF Radio Communications Point-to-Point



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Mega_Link 2 – Licenced UHF Radio Communications Point-to-MultiPoint



Further Information:

Please contact Churchill Controls to request example Mega_Link 2 and Racom RipEx2-4 configuration files.