

Connex Active

Accurate and effective counting
to support active travel planning



Cabinet	Installed Dimensions: H:98.9cm x W:20.4cm x D:15.7cm. Root Dimensions: H:34.6cm x W 24.4cm x D 15.7cm
Power Options	Solar: Average 1.2 watts at 12v Mains: 110V-230V AC 5-060 Hz Power over Ethernet: 2 watts
Battery	Mains & POE: 1 x internal Li-Ion 7.4v 2600mAh Solar: 12V 17Ah Lead Acid battery (-20C to +60C)
Input/Output	USB: Configuration and manual data download GPIO: 4 in and 4 out
Options	Ethernet (PoE) 4G Modem
Data Type	Individual record in JSON format
Data Output Fields	Timestamp, Direction, Class, Distance, Lane, Speed
Communications Protocol	MQTT
Security	TLS 1.3, SHR256, X50
Operating Temp Range	-20°C to 70°C (-4°F to 158°F) - Internal Li-Ion battery



Key Features

- Integrated real-time communications
- Integrated general-purpose input/output
- Data Integration with Insight but data also available to third parties
- Detection up to 7m from the counter
- Virtual lanes to detect adherence to pedestrian and cycle lane designation

Communication Ports

Service	Protocol Port	Traffic	Direction
IPv4 DHCP	UDP	68	Outbound
IPv4 DHCP	UDP	67	Inbound
DNS	UDP	53	Outbound
NTP	UDP	123	Outbound
MQTT over SSL	TCP	8883	Outbound
HTTP	TCP	80	Outbound
HTTPS	TCP	443	Outbound

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