


# Connex Active

Accurate and effective counting to support active travel planning



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