

SMART.NODE™

DISCREETLY INTEGRATED ACCESSORIES AND DIGITAL DEVICES.



The SMART.NODE™ is a fully integrated and modular digital device and accessory enabler. It replaces the humble streetlight and transforms it into a discreet enabler for the widest possible range of digital devices.

Featuring a sleek, integrated design, SMART.NODE™ can be fully customised around your needs for applications related to communications, energy supply, safety, transport, environmental monitoring, infrastructure and more. It's also designed to evolve with your needs over time.

DESIGN INNOVATE ENABLE

The SMART.NODE™ is a market leader in public place design. The SMART.NODE™ can discreetly enable over 30 devices to support public place activation and intelligence.

With a sleek, integrated design, the SMART.NODE™ allows you to adapt to the needs of public places without compromising on aesthetic.

At the same time, every SMART.NODE™ module is pre-loaded with communications and power connections. This means that deploying more devices, or upgrading them, is a simple process with minimum disruption to the quality of the landscape.

With state-of-the-art telecommunications technology and 24-hour power supply, the SMART.NODE™ is future-ready to accommodate the services, data sensors and communications needs of modern public spaces.

SMART.NODE

ACCESSORIES TO SUPPORT FUTURE NEEDS

BEACON

Discretely shroud 4G antennae and communicate safety and community messages using a programmable LED feature light at the top of the SMART.NODE™.

SMART STREET LIGHTING

Keep roads illuminated with compliant LED street lighting.

MOBILITY COUNTING

Equip your SMART.NODE™ to help understand movement patterns within and through the precinct.

FEATURE LIGHTING

Enhance aesthetics and safety by illuminating your key features and precincts.

WI-FI

Create high-specification Wi-Fi networks for use by the general public.

EDGE PROCESSOR

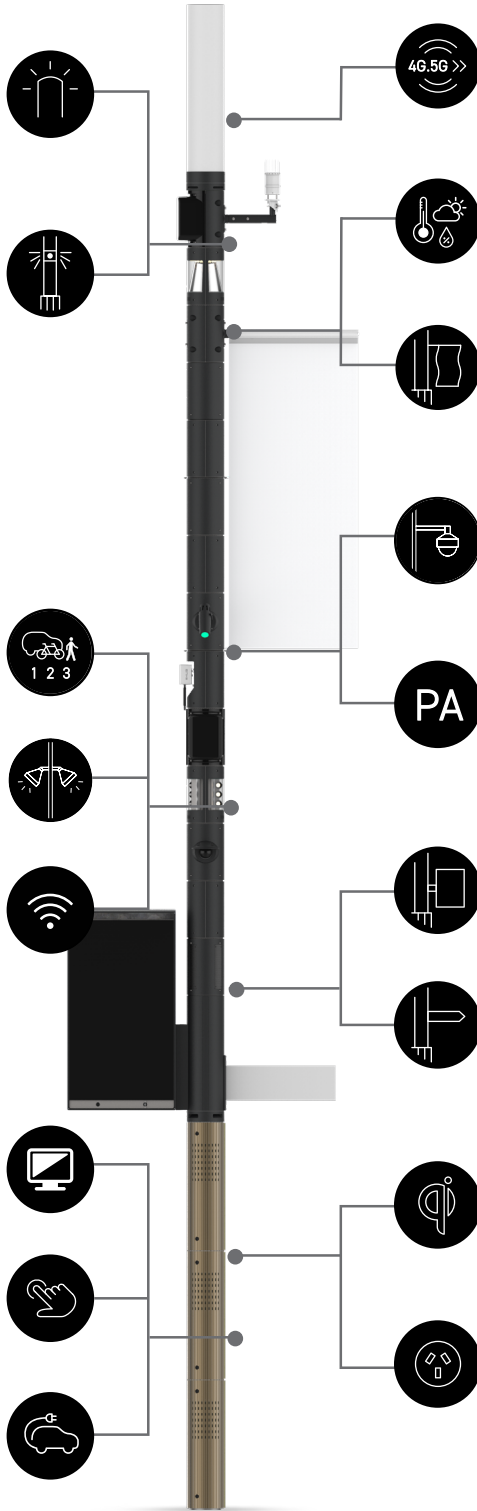
Enjoy full connectivity, data collection capabilities and analytics via a built-in PC.

HELP ASSIST BUTTON

Connect the public directly to emergency or security services with microphone and speaker for two-way communication.

ELECTRIC VEHICLE CHARGING

Provide easy-to-access charging points for private and city-run electric vehicles.



4G/5G

Support mobile networks, with multiple 4G and 5G small cells and antennae capable of being housed within the structure.

CLIMATE & AIR QUALITY SENSORS

Collect data on a wide range of local climate and air quality variables using a remote sensor.

BANNERS

Communicate to passers-by and display event branding with outreach arms ready for single, double and triple banners.

CCTV

Enhance security and situational awareness with a static or PTZ camera housed discretely.

AUDIO & PUBLIC ANNOUNCEMENT

Clearly communicate safety information and other messages using the public announcement system. Fully integrated with emergency broadcast systems.

DIGITAL DISPLAYS

Provide a digital interface via touch or non-touch screens in a variety of sizes.

WAYFINDING

Provide signage to help passers-by orient themselves. Sign blade mounting collars are capable of 360 degrees of movement.

WIRELESS PHONE CHARGING

Provide inductive charging capabilities for your community via a wireless power transfer charging station.

GPO

Provide vandal-resistant power for use by the general public.

THIS IS A REPRESENTATION OF SOME ACCESSORIES AND DIGITAL DEVICES SUPPORTED BY HUB'S MULTIFUNCTION POLES

SMART.NODE

Type	SMART.NODE
Height	7m - 11m
Light Height	6m - 11.5m
Max. Weight	550 - 865kg
Steel Core	
Material	Mild Steel Q345
Finish	Hot Dipped Galvanised Min Local Thickness 70µm Min Average Thickness 85µm
Lower Cladding	
Material	Aluminium Grade A380
Finish	Powder Coated Min Local Thickness 60µm Min Average Thickness 80µm
Diameter	360mm to 400mm
Transition Ring	
Material	Aluminium Grade A356
Finish	Powder Coated Min Local Thickness 60µm Min Average Thickness 80µm
Upper Pole Extrusion	
Material	Aluminium Grade 6063-T6
Finish	Anodised Min Local Thickness 20µm Min Average Thickness 25µm
Diameter	260mm
Upper Pole MTM	
Material	Aluminium Grade A356
Finish	Powder Coated Min Local Thickness 60µm Min Average Thickness 80µm
Diameter	260mm
Stainless Brackets	
Material	316 Stainless Steel
Finish	Brushed Finish
Colour	Clear
Fasteners	
Material	316 Stainless Steel
Colour	Clear

