


IMAGINE LIVING IN A  
MODERN CITY WITHOUT  
ELECTRICITY INFRASTRUCTURE


## URBAN DATA INFRASTRUCTURE

Intelligent urban network  
at the place of need

**ACiIST**  
SMART CITY NETWORKS



**MOST WESTERN  
CITIES HAVE NO  
“URBAN NETWORK  
INFRASTRUCTURE” ...**



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ACiIST  
MetropoLAN  
Technology

## STANDARD ETHERNET INTERFACE

- IOT DEVICE CONNECTIVITY
- CAMERA CONNECTIVITY

## BUILT FOR URBAN NEEDS

- EASY TO DEPLOY
- SIMPLE TO MAINTAIN

## BROADBAND CAPACITY

- RICH CONTENT
- CRITICAL DATA
- QOS AND LOAD BALANCING

## NETWORK MANAGEMENT

- NETWORK REDUNDANCY
- SEAMLESS CONFIGURATION

## CYBER SECURE & ENCRYPTION

## UP 90% CAPEX & OPEX SAVINGS

# ACiST

# POLARITY I

## INTELLIGENT URBAN NETWORK AT THE PLACE OF NEED

## POLARITY

Metropolitan network access and management unit  
Up to six ports with POE over standard 1GE interfaces  
Smart Light and distributed IO control  
Metropolitan backhaul interfaces

## HOST PORTS

SFP or RJ45 interfaces  
Latest POE standard 802.3bt up to 90W  
All interfaces IP67 water and dust proof  
Two ports with SFP option for fiber connection  
Unified network configuration

## SMARTLIGHT AND DISTRIBUTED IO CONTROL

Dali interface for LED light control  
Dry contacts for lamps, gates, alarm or other devices  
Isolated sensors inputs  
Inter box cooperation for cross units IO triggering

## METROPOLAN

Self configured and self managed network  
Seamless redundancy  
Statistics & diagnostics  
Cyber protection  
Scheduling, load balancing  
Up to three back-haul interfaces, RJ45 or SFP

## WIFI

802.11ac  
AC1200, 1.2Gbps Max. bandwidth  
Dual band, beam forming  
ControlAir: Multi AP Wi-Fi management and optimization.  
OptimizeAir: Dynamic allocation of Wi-Fi resources per Application, Device and Service

## DIMENSIONS

38 mm (H), 90mm (W), 240mm (L)  
Fits inside any 5" or larger lamppost

## OPERATING CONDITIONS

Lightning and shock protection  
Temperature range -30C to 70C  
IP65 - Dust and splash proof

HOST/METROPOLAN  
GIO/DALI PORTS  
AC OR DC POWER IN/OUT

