



# SMART WATER METER MONITORING



## Introduction

Lingjack DiGiTaL's SMART Monitoring and Control System offers a SMART, Flexible, Customizable Product and Service Digital IoT Platform to enable Businesses to Create Value to their Customers/Stakeholders, Grow the Business, Maximize Operational Efficiency, Increase Productivity, Reduce Cost, Downtime and Labour.

We work with YOU to provide the best product and service platform that meet your needs.



## SMART WATER METER MONITOR

Wireless Monitoring and Collection of meter readings using a Smart Water Meter Node attached to the Water Meter.

Wire-Free Connection. Long-lasting Battery-operated with typically 5 years usage with active status monitoring and low-battery alerts.

AnyTime, AnyWhere monitoring of Water Utilization through a Secure Live Interactive Cloud-Based Dashboard available on both Browser and Mobile App.

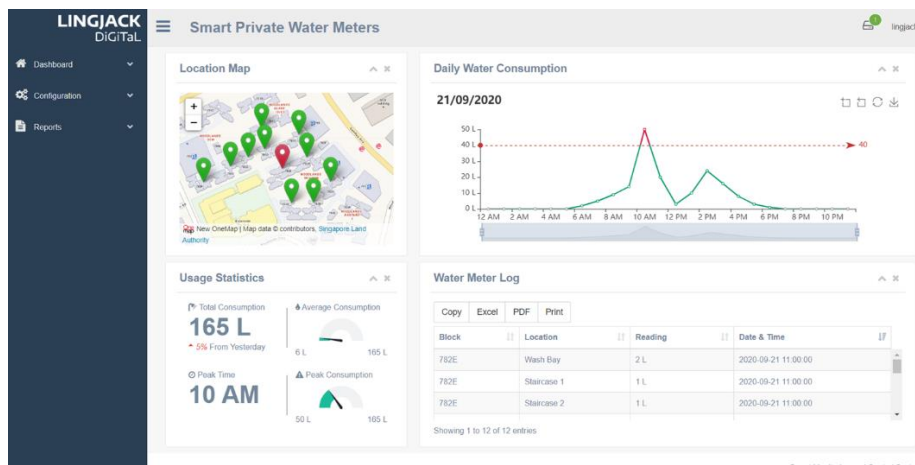
Visualise Usage Patterns through Charts and Generate Reports. Further Data Analysis can be conducted for decision making.

Storage of meter readings on cloud-based storage.

Monitor and provide alerts of abnormal usage.

Integrates seamlessly into existing Lingjack SMART platform.

Comprehensive Support Services (Monitoring, Alerts, On-site response) to cater to your support and maintenance needs.





## Key Product Features:

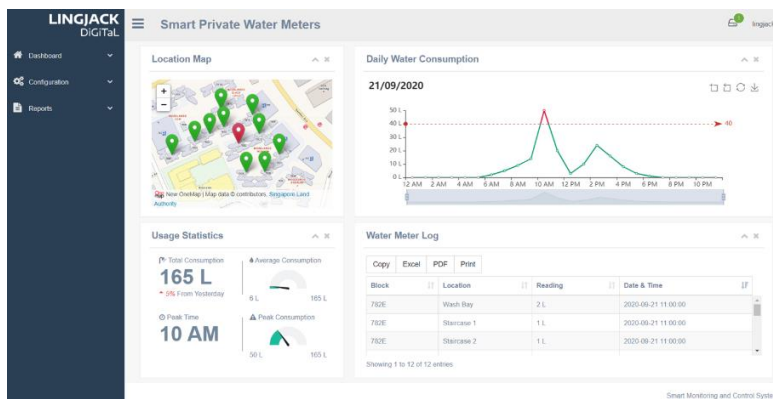
- ✓ Easy to add new capabilities whenever needed.
- ✓ SMART Presence: Always Present, High Availability Connectivity with Secure, Fully Mesh Wireless Architecture.
- ✓ No more wires: Low power wireless technology, battery operated (~ 5 years with active battery status).
- ✓ Automatic and optimal link routing with intelligent re-routing in event of link failures.

**Wireless, High Availability & Secure**

**Flexible, Expandable, Customizable**

**Easy to Deploy Architecture**

**AnyTime, AnyWhere: Live Interactive Cloud-Based Dashboard**



- ✓ Graphical Visuals and Charts for Water Meter Readings
- ✓ Offsite, Remote Monitor on Web and Mobile App.
- ✓ Activity Log, Event/Alerts Management
- ✓ Reports Generation



**Add New Monitor and Control Areas Easily with other SMART nodes.**

- ✓ Water Leakage
- ✓ Temperature Humidity
- ✓ Fire Safety and Emergency
- ✓ Power Monitoring
- ✓ Others



Water Leak Node  
Temperature  
Humidity




Relay Control Node



Power Monitoring Node



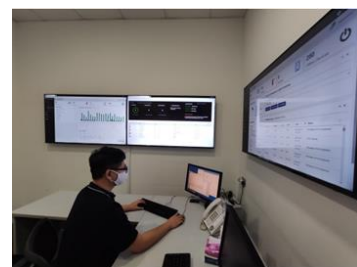
## Key Specifications

<b>Systems Configuration</b>	Gateway	LAN, Wifi Internet Gateway
	Water Meter Node	Temperature, Humidity, Water Meter Readings
	Live and Interactive Dashboard	Browser-Based Dashboard, Iphone IOS, Android Based App
<b>Communications</b>	Topology	Mesh
	Frequency	2.4GHz Bluetooth 5.0, IEEE 802.15.4
	Range (Line-of-Sight)	Indoor 30m (max), Outdoor 150m (max)
<b>Environment</b>	Operating Temperature, Humidity	0°C to 55°C, 90% Relative Humidity
	Enclosure	IP 52
<b>Power</b>	Battery	Lithium Battery 3.7V, 8500mAh (~ 5 years battery life with active status monitoring)
<b>Gateway</b> 	Overall Dimensions, Weight	~ (L x W x H) 82 x 56 x 19.5 mm, ~105g
	Processor, RAM, GPU	Broadcom BCM2837B0 quad-core A53 (ARMv8) 64-bit @ 1.4GHz, 1GB LPDDR2 SDRAM, Broadcom Videocore-IV
	Networking	Gigabit Ethernet (via USB channel), 2.4GHz and 5GHz 802.11b/g/n/ac Wi-Fi, Bluetooth: BLE 5.0
	Accessories	Power Adapter, Wireless Router/Data Router

## Standard and Premier Services

### Standard and Premier Services

- ✓ Comprehensive Support Services (Monitoring, Alerts, On-site Response) to cater to your support and maintenance needs.
- ✓ Leasing and Maintenance Services.
- ✓ Standard and Extended Warranty Services
- ✓ After-Sales Services eg. Site-Servicing, Software Maintenance, Training, Spares.





## About **LINGJACK** DiGiTaL

- ✓ Lingjack believes in Innovation. We believe that we can incorporate Digitalization and Technology in our operations and business. In 2017 we formed our own R&D team to conceptualize and develop technology products.
- ✓ Lingjack DiGiTaL was formed as an arm of Lingjack Engineering, with the objective to provide Total Solutions that leverage on Technology to deliver Value to our Customers.
- ✓ In 2019, we launched the first SMART monitoring system to enhance the Fire and Safety aspect in a facility in the world. We are also constantly working on AI, data analytics and robotics solutions to our Customers.

## Request for a Demo, We Like to Hear Your Needs ....

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