

faraday™

Agile, Scalable and Future Ready



The faradayTM doctors

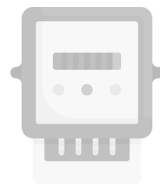
We work 24x7 to yield savings

Reduces Electricity Consumption and
Intelligent Machinery Health
Maintenance **from Day 1**



faraday Cycle

Preliminary Analysis



Electricity Consumption
From Electricity Bills



Machinery Evaluation
Physical Checkup

Benchmark



Consumption Analytics
Electricity Bills



Machinery Analytics
Name Plate Standards



Fault Analytics
Using AI & ML

faraday Cycle

IoT Integration



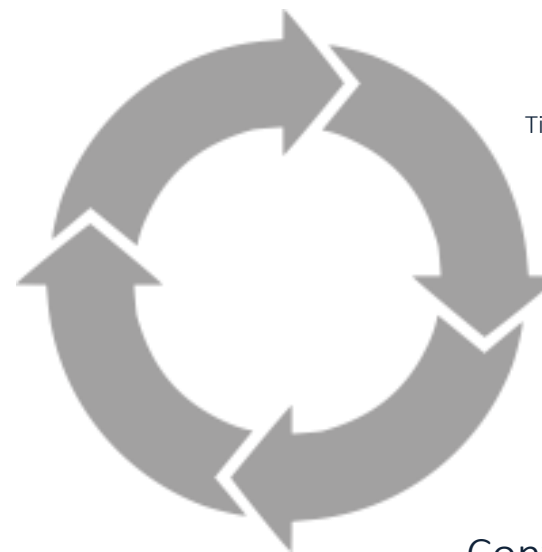
Hardware Devices
Smart Gateways



Cloud Analytics
Software

Cycle

Monitoring
Real-Time Analytics



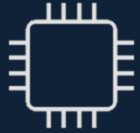
Leakages
Time-cycle and Faults

Control
Automated and Disciplined

Deploy faradayTM with Zero Down Time.

Visualize your machine in cloud within **60 Seconds**

Hardware



faraday_{edge}

For
Singular
Devices



faraday_{hub}

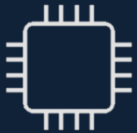
For
Large
Systems



faraday_X

For
Complex & custom
Data Monitoring

Hardware



faraday
edge

For
Singular
Devices

Application



IO Features



2 Analog IO
with gain adj



2 Digital IO
0 – 48V IP



4-20mA IP
4 Sensor Inputs

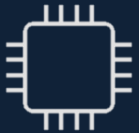


RTD Input
For Temperature



RS 485
Data Input

Hardware



faraday
edge

For
Singular
Devices

Transmission



GPRS - European
Dual SIM



Latency
1 minute



Encryption
faradaysignature

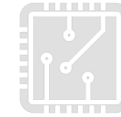


GPS
Location

Storage



Micro SD Card
External Memory



64MB
Internal Flash Memory

Power



USB
Cable



8 to 48 V
DC Adapter



Battery
Inbuilt Power

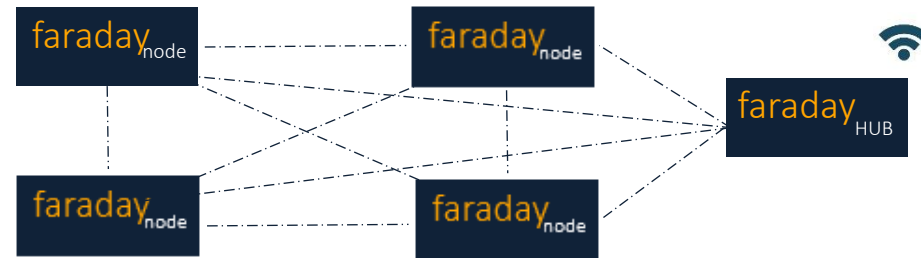
Hardware



faraday
hub

For
Large
Systems

Application



Node-HUB IO Features & Storage



2 Analog IO
with gain adj



2 Digital IO
0 – 48V IP



4-20mA IP
4 Sensor Inputs



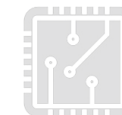
RTD Input
For Temperature



RS 485
Data Input



Micro SD Card
External Memory



64MB
Internal Flash Memory

Hardware



faraday
hub

For
Large
Systems

Transmission



GPRS - European
Dual SIM HUB



500 Mts
Node to Node LOS



300 Mts
Node to Node NLOS



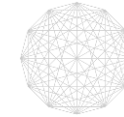
Mesh
Node to Node Structure



10 msec
Node to Gateway



1 – 30 Min
HUB Latency



Custom Network
Based on Data Size & Range

Power



USB
Cable



8 to 48 V
DC Adapter for HUB



Battery
Inbuilt Power for Nodes

Hardware



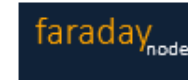
faraday_x

For
Complex & custom
Data Monitoring

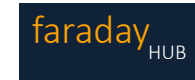
Application



Custom
configuration



Custom
configuration



Custom
configuration

Node-HUB IO Features & Storage



Analog IO
Custom Port & Range



Digital IO
Custom Port & Range



4-20mA IP
Custom Ports



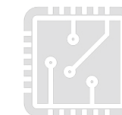
RTD Input
Custom Ports



RS 485
Custom Ports



Micro SD Card
External Memory



64MB
Internal Flash Memory



Additional
Specific IO Ports

Hardware



faraday_x

For
Complex & custom
Data Monitoring

Transmission



GPRS - European
Dual SIM HUB



500 Mts
Node to Node LOS



300 Mts
Node to Node NLOS



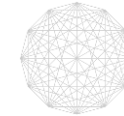
Mesh
Node to Node Structure



10 msec
Node to Gateway



HUB Latency
Custom



Custom Network
Based on Data Size & Range

Power



USB
Cable



8 to 48 V
DC Adapter for HUB



Battery
Inbuilt Power for Nodes

Hardware

faraday Cloud Gateway

Secured Transmission Algorithm

Patented



Hardware

faraday

Cloud Controller

Secured Transmission Algorithm

Patented

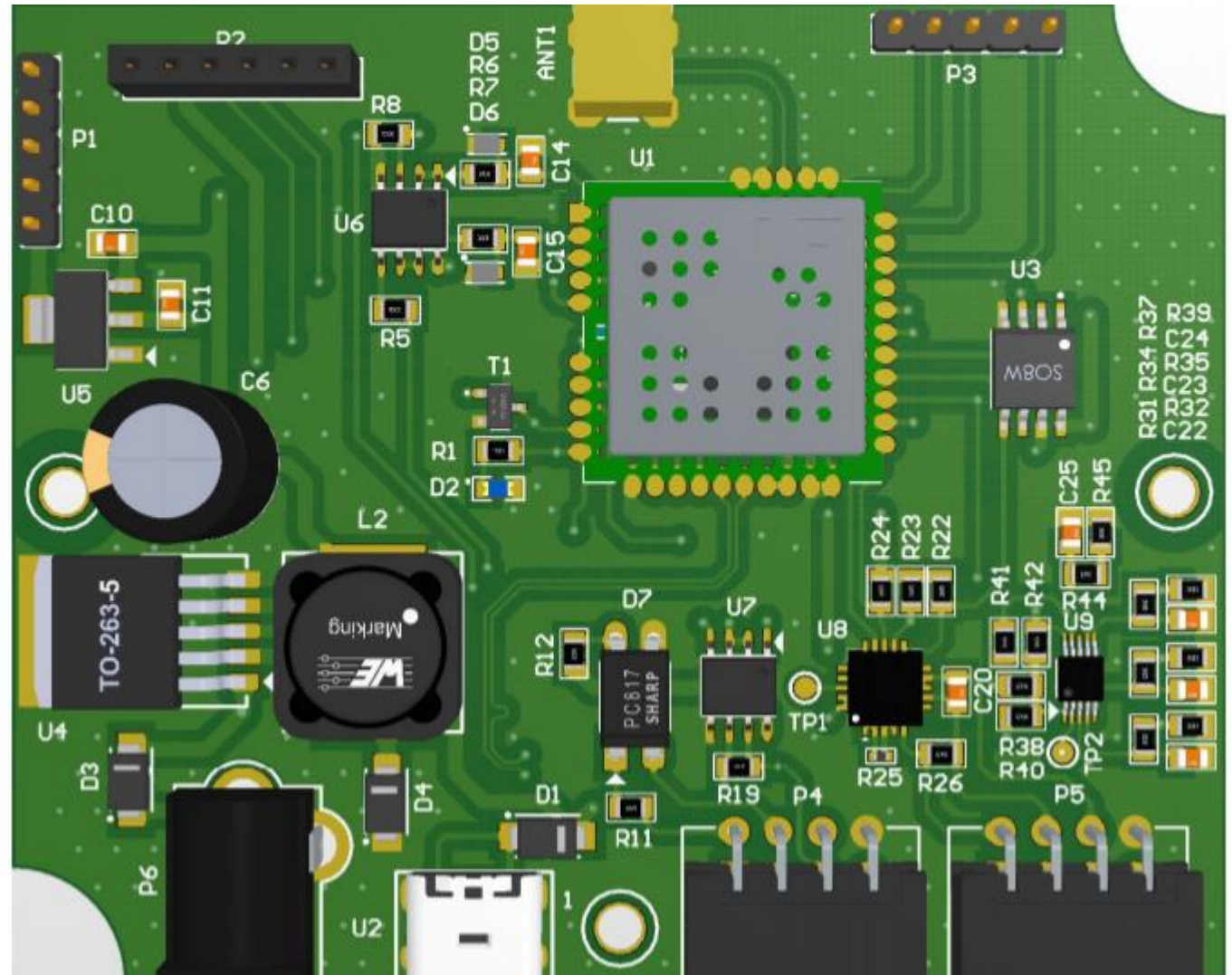


Hardware

faraday
node

Secured Transmission Algorithm

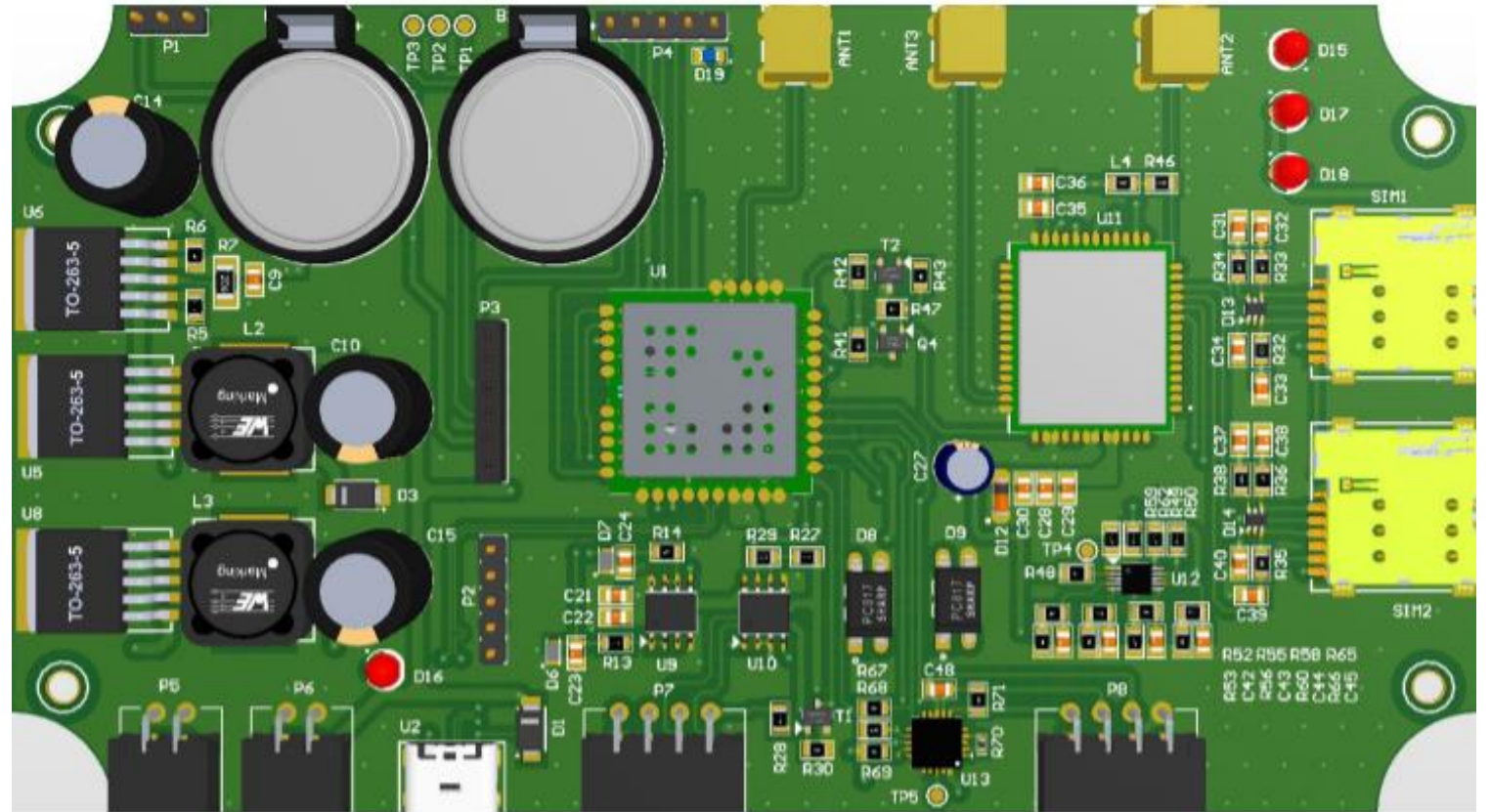
Patented



Hardware

faraday hub

Secured Transmission Algorithm
Patented



Software



faraday_{Cloud}

For
Standard
IoT Systems



faraday_X

For
Custom
IoT Systems

Software



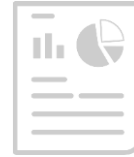
faraday
Cloud

For
Standard
IoT Systems

Features



90 Sec to 1 Hr
Data Latency



Reports
Standard



Email
Notification & Alerts



Analytics
All Data Points



Monitoring
Standard Realtime & Historical



Control
Realtime & Scheduled



Diagnostics
Standard Realtime & Predictive



Encryption
faradaysignature

Users



User Logins
Infinite



Admin
Infinite

Software



faraday
Cloud

For
Standard
IoT Systems

Cloud



1 Day
Backup Latency



Storage
Faraday's Cloud



Custom Features
YES – ON CHARGE



100%
UP TIME



100%
Faraday Upgrades



24x7
Cloud Support

Software



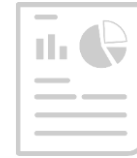
faraday_x

For
Custom
IoT Systems

Features



90 Sec to 1 Hr
Data Latency



Reports
Custom



Email
Custom Notification & Alerts



Analytics
Custom Data Points



Monitoring
Custom



Control
Custom



Diagnostics
Custom



Encryption
faradaysignature

Users



User Logins
Infinite



Admin
Infinite

Software



faraday_x

For
Custom
IoT Systems

Cloud



Custom
Backup Latency



Storage
Custom – Client Cloud



Custom Features
YES – INFINITE



100%
UP TIME



100%
Faraday Upgrades



24x7
Cloud Support

Accessories



Outdoor Panel
IP Standard



Network Booster
American & European Standards

Certifications & Standards



Transmission Standard
For Nodes



IoT Telecom Partner
India



IC Partner
Worldwide



Transmission Standard
For HUB



Component Partner
Worldwide



Hardware Certification
Worldwide

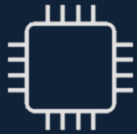


IoT Cloud Partner
Worldwide



Standard
Circuits & Transmission built on ieee standard

Hardware Pricing



faraday_{edge}

ONE TIME - EDGE



faraday_{hub}

ONE TIME – NODE + GATEWAY



faraday_X

ONE TIME - CUSTOM

Software Pricing



faraday_{Cloud}

Monthly Subscription



faraday_X

ONE TIME + Custom Subscription