

The logo for gotani, with 'gotani' in a green sans-serif font and a stylized green leaf icon integrated into the letter 'o'.

“

The farmer
works the soil,
The agriculturist
works the farmer,
The smart farm
works for both.

”

SMART FARMING

FOR A BETTER TOMORROW

Our data-driven technology helps you make better decision thus allowing you to operate your farm more efficiently which then leads to increased productivity.

IOT
SOLUTION

LEADING PROVIDER

Provides a beginner friendly platform that speeds up your learning process. You will receive expert's advices and suggestions on how to build your farm.



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Join Our Partnership Program

Enjoy exclusive benefits, perks and advantages.
Get our latest products and services update
with full technical support

A SMARTER SOLUTION FOR YOUR AGRICULTURE FARM

Manage your farm at the edge of your fingertips

Let us help you across every phase



Plan for your cost and resources accurately



Monitor and manage your farm from anywhere you want

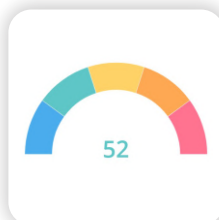


Customers can track the origin of your product

GoTani Smart Farming IoT Dashboard



Weather Forecast



Air Quality Index



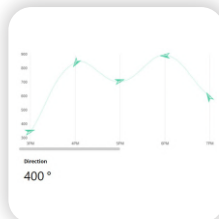
Temperature & Humidity



Noise Level



Wind Speed



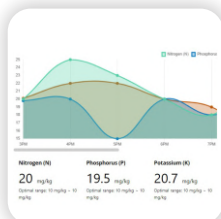
Wind Direction



Rainfall Intensity



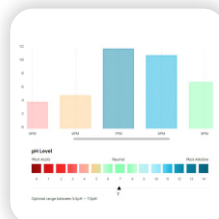
Light Intensity



Soil NPK



Soil Temperature & Moisture



Soil pH Level



Soil EC



REALISE THE SMART FARM DREAM

Digitalise, Analyse & Automate your farm

T3110 - GoTani Weather IoT Station

The weather station provides real-time and accurate data for environmental monitoring with timely predictive analytics. Advantages include all weather, user friendly, low power consumption, high accuracy and cost effective.



Temperature Sensor

Ambient condition detection for mechanical asset monitoring applications



Rainfall Intensity Sensor

Know how much rain has fallen and optimizing the water usage



Humidity Sensor

Helps you make better decisions about water usage based on pending rain



Pressure Sensor

Atmospheric pressure measurement to improve the rate of growth of plants



T3120 - GoTani Farm IoT Station

The soil monitoring system capable of accurately measuring macro-nutrients including nitrogen (N), phosphorus (P) and potassium (K), soil PH level detection, soil electrical conductivity (EC) for salinity of soil, soil moisture and soil temperature. Farmer can get all information in a glance through the GoTani Mobile App.



Soil pH

Monitoring of soil acidity & alkalinity that affect germination & growth of plants



Soil NPK

Accurately detect macronutrients for fertilizer application and planning



Soil EC

Measure the soil electricity conductivity that affects health of crops

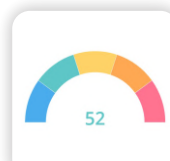
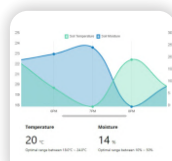
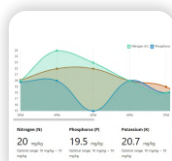


Soil Moisture & Temperature

Monitoring of soil moisture and temperature for better root growth of plants

T3200 - GoTani Farm Combo IoT Station

The combo IoT station unleash the potential to provides real-time and accurate data for environmental monitoring with timely predictive analytics and capable of accurately measuring soil parameters. Advantages include all weather, user friendly, low power consumption, high accuracy and cost effective.



The GoTani Farm Combo IoT Station is a combination of T3110 and T3120 with all the sensors integrated into a single station as a full complete system for your monitoring.



FARM MANAGEMENT PLATFORM

Less guessing with precision agriculture

GoTani Farm Management Solution

GoTani is an integrated farm management solution that serves as an enabler for smart farming. The data from IoT station are collected, stored, visualised and analysed in a single platform to allow farmers spend less time worrying and managing your farm at the edge of their fingertip.

GoTani IoT Station



Leasing Plan* or Upfront Purchase
T3110 | T3120 | T3200

GoTani Farm Management



Monthly Subscription Plans
GoTani Lite | GoTani Basic | GoTani Plus

GoTani Subscription Plans

Features	GoTani Lite T1010	GoTani Basic T1020	GoTani Plus T1030
Farm Calculator	✓	✓	✓
Farm Activity Logbook	✓	✓	✓
Remote Access to IoT Station	✓	✓	✓
Real-Time IoT Data Monitoring	✓	✓	✓
Alert Reminder via GoTani App	✓	✓	✓
Alert Reminder via Social Media App	✗	✓	✓
Weather Forecast up to 48 Hours	✗	✓	✓
Fetch Hourly Sensor Data via API	✗	✗	✓
Periodic Chart Display on Historical Data	Up to 7 Days	Up to 7 Days	Up to 15 Days
Export CSV Data	✗	Up to 30 Days	Up to 90 Days
24-7 Online Technical Support	✗	✓	✓
User Configurable Sensor Settings	✗	✗	✓

*Enjoy **FREE** subscription GoTani Lite Plan to monitor farm data with any purchase or lease of IoT Station. Upgrading to a higher subscription plan allows you enjoy more features.



GoTani Smart Farming IoT Station

Product Information



T3110 - GoTani Weather IoT Station

Package Includes	Temperature Sensing Module
	Humidity Sensing Module
	Rainfall Sensing Module
	Pressure Sensing Module
	Smart IoT Base Station
	IP65 ABS Chassis
	Built-in 4G & WIFI Module
	3 Meters Pole Ready for Immediate Deployment
Optional Add-on	•Wind Speed Sensing Module •Wind Direction Sensing Module
	•35 W Solar Panel IP65 •Solar Smart Charger
	•12Ah Battery for Solar System •Metal Box with key
	•Noise Level Sensing Module •Light Intensity Sensing Module

T3120 - GoTani Farm IoT Station

Package Includes	Soil Temperature Sensing Module
	Soil Moisture Sensing Module
	Soil EC Sensing Module
	Soil pH Sensing Module
	Soil NPK Sensing Module
	Smart IoT Base Station
	IP65 ABS Chassis
	Built-in 4G & WIFI Module
	3 Meters Pole Ready for Immediate Deployment
Optional Add-on	•35 W Solar Panel IP65 •Solar Smart Charger
	•12Ah Battery for Solar System •Metal Box with key
	•Noise Level Sensing Module •Light Intensity Sensing Module

T3200 - GoTani Farm Combo IoT Station

Package Includes	Temperature Sensing Module
	Humidity Sensing Module
	Rainfall Sensing Module
	Pressure Sensing Module
	Soil Temperature Sensing Module
	Soil Moisture Sensing Module
	Soil EC Sensing Module
	Soil pH Sensing Module
	Soil NPK Sensing Module
	Smart IoT Base Station with IP65 ABS Chassis
	Built-in 4G & WIFI Module
	3 Meters Pole Ready for Immediate Deployment
Optional Add-on	•Wind Speed Sensing Module •Wind Direction Sensing Module
	•35 W Solar Panel IP65 •Solar Smart Charger
	•12Ah Battery for Solar System •Metal Box with key
	•Noise Level Sensing Module •Light Intensity Sensing Module



GoTani Smart Farming IoT Station

Technical Specifications

Temperature | Humidity | Light Intensity | Noise | PM10 & PM2.5 Sensors

DC Power Supply	10-30 VDC	Maximum Power	0.8 W	Resolution	Respond Time	Output Signal
Sensors	Precision	Measurement Range	Long Term Stability			
Temperature	±0.5°C (25°C)	-40°C ~ 80°C	≤0.1°C/y	0.1 °C	≤1s	RS485
Humidity	±3%RH (60%RH,25°C)	0%RH ~ 99%RH	≤1%/y	1%	≤1s	
Light Intensity	±7% (25°C)	0 ~ 200000 Lux	≤5%/y	1 Lux	≤0.1s	
Noise	±3db	30dB ~ 120dB	≤3db/y	0.1 dB	≤1s	
PM10 PM2.5	±10% (25°C)	0 - 1000ug/m3	≤1%/y	1 ug/m3	≤90s	
Pressure	±0.15Kpa (25°C 75Kpa)	0-120Kpa	-0.1Kpa/y	0.1Kpa	≤1s	

Wind Direction & Speed Sensors

DC Power Supply	10-30 VDC	
Maximum Power	0.3 W	
Sensors	Wind Direction	Wind Speed
Operating Temperature	-20°C ~ 60°C, 0%RH ~ 80%RH	-20°C ~ 60°C, 0%RH ~ 80%RH
Measurement Range	0 ~ 359.9°	0-60m/s
Dynamic Response Time	≤0.5s	≤0.5s
Precision	±1°	±(0.2+0.03V) m/s
Resolution	0.1°	0.1m/s
Start Speed	-	≥0.2m/s
Output Signal	RS 485	RS 485

Rain Gauge Sensor

DC Power Supply	4.5V ~ 30V
Maximum Power	0.24W
Barrel Diameter	Φ200mm
Resolution	0.2mm
Sharp Edge	40° ~ 45°
Operating Temperature	0 ~ 50°C
Working Humidity	< 95%(40°C)
Storage Temperature	-40 ~ 125°C
Storage Humidity	< 80% (No Condensation)
Measurement Accuracy	≤±3%
Rain Intensity Range	0mm ~ 4mm/min (Max:8mm/min)

Soil Sensors

Sensors	Soil EC	Soil Moisture	Soil Temperature	Soil NPK	Soil pH
Range	0-20000us/cm	0-100%	-20~60°C	1-1999 mg/kg(mg/L)	3~9 pH
Resolution	1us/cm	0.10%	0.1°C	1 mg/kg(mg/L)	0.1
Precision	0-10000us/cm = ±3% 10000-20000us/cm = ±5%	0-50% = 2% 50-100% = 3%	±0.5°C (25°C)	±2%FS	±0.3pH
DC Power Supply	5-30 VDC				
Operating Temp.	-20°C~60°C				
Maximum Power	0.5W				
Conductivity Temp. Compensation	Built-in temperature compensation sensor, compensation range 0-50°C				
Long Term Stability	≤5%/year				
Response Time	≤10s				
Protection Grade	IP68				
Probe Material	Special Anti-Corrosion Electrode				
Sealing Material	Black Flame Retardant Epoxy Resin				
Cable Length	2 Meters				
Dimension	45*15*123mm				
Output Signal	RS485				

Solar System

Rated Power (Pmax)	30 W
Voltage at Pmax (Vmp)	17.8 V
Current at Pmax (Imp)	1.69 A
Open-circuit Voltage (Voc)	21.6 V
Short-circuit Current (Isc)	1.81 A
Max System Operating Voltage	1000 V (DC)
Maximum Series fuse rating	10 A
Application Class	Class A
Standard Test Condition	1000W/m²AM1.5 25°C
Tolerance	+/- 3%

