

TEKTELIC TEMPO

LoRaWAN® Connected Meeting Room Display Tablet

The **TEKTELIC TEMPO Tablet** is the first of its kind to utilize LoRaWAN® to provide a simple and efficient solution to monitor and manage room occupancy, coordinate and book meetings, and analyze statistical data.



Display Functions



MEETING ROOM OCCUPANCY MANAGEMENT



MEETING ROOM BOOKING OPTIMIZATION



ROOM UTILIZATION ANALYTICS



MULTI-LANGUAGE SUPPORT

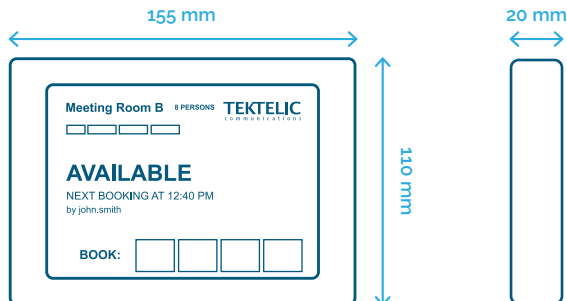


BATTERY MONITORING AND LOW-BATTERY ALERTS

Features

- ✓ **1 Year battery life*** enabled by a low-power design for extended maintenance-free operation
- ✓ **The 4.8 inch E-Ink capacitive touchscreen** delivers a crisp, paper-like display that stays clear and readable from any angle
- ✓ **Seamless integration with booking platforms** such as Microsoft Outlook and Google Calendar, ensuring a smooth and hassle-free scheduling experience
- ✓ **Simple and user-friendly meeting booking** through the TEKTELIC Tempo™ application
- ✓ **Instant meeting booking** directly from the **Touch Screen** interface
- ✓ **Provides rich analytics** that reveal real room-usage patterns and help maximize workplace efficiency
- ✓ **Allows customization** for corporate branding
- ✓ **Two power options:** battery powered (4xAAA) or external power (PoE or 5 VDC barrel)
- ✓ **Ultra-efficient deep sleep mode** extends the operational life and wakes device when needed
- ✓ **Compatible with standard LoRaWAN® gateways and network servers** for broad interoperability
- ✓ **Quick and easy device onboarding & data viewing** using TEKTELIC LeapX™ mobile application
- ✓ **Rapid deployment** for scalable commercial and enterprise installations

*Actual battery life varies based on configuration, data rate, and operating temperature.



Technical and Functional System Specifications

| General System Parameters | |
|--------------------------------------|---|
| Operational Temperature | 5°C to 40°C |
| Storage Temperature | -25°C to 70°C |
| Operational Relative Humidity | 5% - 95% Condensing |
| Ingress Protection | IP30 |
| Size | 155 x 110 x 20 mm |
| Weight (including batteries) | 340 g (with batteries) |
| | 280 g (without batteries) |
| Battery | 4 x AA LID (7000 mAh) |
| External Power Source | PoE or 5 VDC barrel |
| Battery Life | |
| Reporting Period = 2 hours @SF7/SF10 | 1 Year (12 screen refreshes per day) |
| Reporting Period = 10 min @SF7/SF10 | 6 Months (144 screen refreshes per day) |
| Wireless Parameters (LoRa) | |
| RF Power (Max) | 15 dBm |
| RF Sensitivity | -137 dBm (SF12, 125 kHz) |
| Channel Plans | EU868, US915, AU915, AS923-1,-2,-3,-4, IN865, KR920 |
| Antenna | Internal |
| LoRa Device Class | Class A (battery powered) or Class C (externally powered) |
| Specification Version | 1.0.2 |
| Display Specifications | |
| Screen Size | 122 x 90,5 mm |
| Resolution | 1024 x 758 pixels |
| Color | 16 levels of gray (monochrome) |
| Character/Language Support | Basic Latin, Latin-1 Supplement, Cyrillic, Arabic, Arabic Presentation Forms-A, Arabic Presentation Forms-B |
| Certifications & Compliance | |
| Regulatory | FCC, ISCED, CE (RED) |
| Product Safety | IEC 62368-1 |
| Environmental | RoHS |

TEKTELIC Communications is a premier supplier of complete LoRaWAN® IoT solutions. Our end-to-end systems combine network infrastructure, devices, and applications to enable easy, fast, and cost-effective deployment for the most demanding IoT challenges.

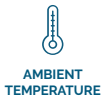
TEKTELIC VIVID v3

LoRaWAN® PIR Smart Room Occupancy Sensor

Enhanced **TEKTELIC VIVID v3** device, now with a ruggedized IP65 design and superior motion detection. This compact device continues to provide comprehensive monitoring of temperature, humidity, light, accelerometer, magnetic switch and PIR, supporting multiple PIR lens options. **TEKTELIC VIVID v3** combines a user-friendly twist-lock mounting mechanism with easy battery access and improved battery-life reporting, making it the ultimate solution for holistic monitoring in any environment.

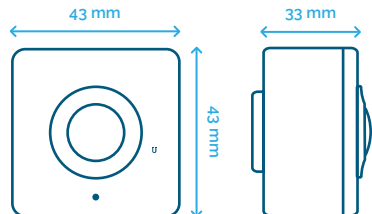


Sensing Functions



Features

- ✓ **4+ year battery life*** enabled by a low-power design for extended maintenance-free operation
- ✓ **TEKTELIC Locus™ integration** for centralized device, data, and fleet management
- ✓ **Compatible with standard LoRaWAN® gateways and network servers** for broad interoperability
- ✓ **Quick and easy device onboarding & data viewing** using **TEKTELIC LeapX™** mobile application
- ✓ **User-configurable parameters and thresholds** allow the device to be tailored to a wide range of monitoring applications
- ✓ **Rapid deployment** for scalable commercial and enterprise installations
- ✓ **Multiple PIR masking options** tailor the sensor's motion detection to specific areas, ensuring privacy and providing flexibility
- ✓ **Remaining battery life reported** in percentage
- ✓ **64-pixel PIR array and quality lens** ensure accurate occupancy detection with fewer false triggers
- ✓ Optimized for both **extended-range room occupancy** detection and **close-range desk-level occupancy** detection
- ✓ **TEKTELIC Kona Atlas™ support** for payload encoding and decoding



* Actual battery life varies based on configuration, data rate, and operating temperature.

Technical and Functional System Specifications

| General System Parameters | | | |
|---------------------------------|--|--|---|
| Operational Temperature | 0°C to 60°C (10°C to 40°C optimal for battery life) | | |
| Storage Temperature | -30°C to 60°C (0°C to 30°C optimal for battery life) | | |
| Operational Relative Humidity | 5% - 95% Non-Condensing | | |
| Ingress Protection | IP65 | | |
| Size | 43 x 43 x 33 mm | | |
| Weight (including batteries) | 37.7 g | | |
| Battery | 1 x CR2477 | | |
| Battery Life | | | |
| Reporting Period - 60 min @SF7 | 4 years | | |
| Reporting Period - 60 min @SF10 | 3.5 years | | |
| Wireless Parameters (LoRa) | | | |
| RF Power (Max) | 13 dBm | | |
| RF Sensitivity | -137 dBm (SF12, 125 kHz) | | |
| Channel Plans | EU868, US915, AU915, AS923-1.-2.-3.-4, IN865, KR920 | | |
| Antenna | Internal | | |
| LoRa Device Class | Class A | | |
| Specification Version | 1.0.4 | | |
| Sensor Specifications | Range | Accuracy | Resolution |
| Ambient Temperature | 0°C to 5°C | +/- 0.3°C | 0.1°C |
| | 5°C to 60°C | +/- 0.2°C | |
| Ambient Relative Humidity | 0% - 20% | +/- 4% | 0.5% |
| | 20% - 80% | +/- 2% | |
| | 80% -100% | +/- 4% | |
| Ambient Light | 5-1000 lux | N/A | N/A |
| Accelerometer | Configurable Measurement Range: ±2 g, ±4 g, ±8 g, ±16 g | Zero-g Offset Accuracy: ±40 g | Configurable Mode-Dependent Resolution: 8-bit, 10-bit, 12-bit |
| PIR Detection Range* | Wall Mount X Angle: 94° Y Angle: 20° Height: 4 m | Ceiling Mount X Angle: 86° Y Angle: 74° Height: 2.67 m | Desk Mount X Angle: 86° Y Angle: 74° Height: 0.75 m |
| Certifications & Compliance | | | |
| Regulatory | FCC, ISED, CE (RED) | | |
| Product Safety | IEC 62368-1 | | |
| Environmental | RoHS | | |

* Assumes object in center of field of view

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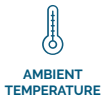
TEKTELIC VIVID v2

LoRaWAN® connected Home and Office Environment Monitoring

The enhanced TEKTELIC VIVID v2 features a rugged IP65-rated design and improved field-of-view temperature sensing for more accurate monitoring in home and office environments. This compact device measures temperature, humidity, light, and motion to provide comprehensive insight into indoor conditions. It delivers advanced presence detection for reliable desk occupancy and short-range activity monitoring, along with accelerometer and magnetic sensing for device and nearby object movement. A user-friendly twist-lock mount, easy battery access, and improved battery-life reporting make VIVID v2 a robust and adaptable solution for holistic environmental monitoring.

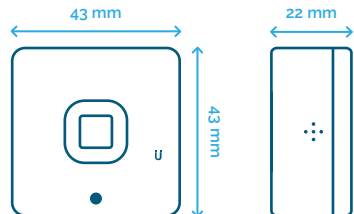


Sensing Functions



Features

- ✓ **4+ year battery life*** enabled by a low-power design for extended maintenance-free operation
- ✓ **TEKTELIC Locus™ integration** for centralized device, data, and fleet management
- ✓ **Compatible with standard LoRaWAN® gateways and network servers** for broad interoperability
- ✓ **Quick and easy device onboarding & data viewing** using TEKTELIC LeapX™ mobile application
- ✓ **User-configurable parameters and thresholds** allow the device to be tailored to a wide range of monitoring applications
- ✓ **Rapid deployment** for scalable commercial and enterprise installations
- ✓ **Uses TMOS thermal infrared sensing to detect stationary human presence** by measuring emitted body heat
- ✓ **Remaining battery life reported** in percentage
- ✓ **Optimized for close-range, desk-level occupancy detection**
- ✓ **Onboard accelerometer supporting orientation, acceleration, vibration, and impact** event detection
- ✓ **TEKTELIC Kona Atlas™ support** for payload encoding and decoding



* Actual battery life varies based on configuration, data rate, and operating temperature.

Technical and Functional System Specifications

| General System Parameters | | | |
|--|--|----------------------------------|---|
| Operational Temperature | 0°C to 60°C (10°C to 40°C optimal for battery life) | | |
| Storage Temperature | -30°C to 60°C (0°C to 30°C optimal for battery life) | | |
| Operational Relative Humidity | 5% - 95% Non-Condensing | | |
| Ingress Protection | IP65 | | |
| Size | 43 x 43 x 22 mm | | |
| Weight (including batteries) | 37.7 g | | |
| Battery | CR2477 | | |
| Battery Life | | | |
| Reporting Period - 60 min @SF7 | 4 years | | |
| Reporting Period - 60 min @SF10 | 3.5 years | | |
| Wireless Parameters (LoRa) | | | |
| RF Power (Max) | 13 dBm | | |
| RF Sensitivity | -137 dBm (SF12, 125 kHz) | | |
| Channel Plans | EU868, US915, AU915, AS923-1,-2,-3,-4, IN865, KR920 | | |
| Antenna | Internal | | |
| LoRa Device Class | Class A & Class C* | | |
| Specification Version | 1.0.4 | | |
| Sensor Specifications | Range | Accuracy | Resolution |
| Ambient Temperature | 0°C to 5°C | +/- 0.3°C | 0.1°C |
| | 5°C to 60°C | +/- 0.2°C | |
| Ambient Relative Humidity | 0% - 20% | +/- 4% | 0.5% |
| | 20% - 80% | +/- 2% | |
| | 80% -100% | +/- 4% | |
| Ambient Light | 5-1000 lux | N/A | N/A |
| Accelerometer | Configurable Measurement Range: ±2 g, ±4 g, ±8 g, ±16 g | Zero-g Offset Accuracy: ±40 g | Configurable Mode-Dependent Resolution: 8-bit, 10-bit, 12-bit |
| Presence Detection Desk Mount | X Angle: 60° Y Angle: 60° Height: 0.75 m | N/A | N/A |
| Certifications & Compliance | | | |
| Regulatory | FCC, ISED, CE (RED) | | |
| Product Safety | IEC 62368-1 | | |
| Environmental | RoHS | | |

*Please note that class C will significantly lower battery life

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KONA Micro IoT Gateway

Indoor LoRaWAN® Gateway for Mission Critical Deployments

The KONA Micro IoT Gateway is designed for enterprise and lightweight industrial applications that require "Always On" connectivity. Configured with an internal cellular modem and a built-in battery backup, the KONA Micro IoT gateway continues to operate and transmits sensor data to the network even when the main site has lost power.



| | | |
|------------------------|-------------------|-------------------|
| SMART HOME & OFFICE | SMART BUILDINGS | WAREHOUSES |
| FACILITY MANAGEMENT | SAFETY & SECURITY | SMART GREENHOUSES |
| SCHOOLS & UNIVERSITIES | RETAIL | |

Key Features

- US915, EU868, AU915, AS923 Channel Plans
- 27 dBm Tx Power
- 12V or PoE Power
- Operational Status LED
- Time Duplex 8 Rx / 1 Tx
- Plug & Play Operation
- Integrated Dual SIM Cellular Modem
- Factory Image for Mass Deployment
- External LoRa Antenna
- In-Service Updates
- Four Hour Battery Backup
- Listen Before Talk (LBT)*

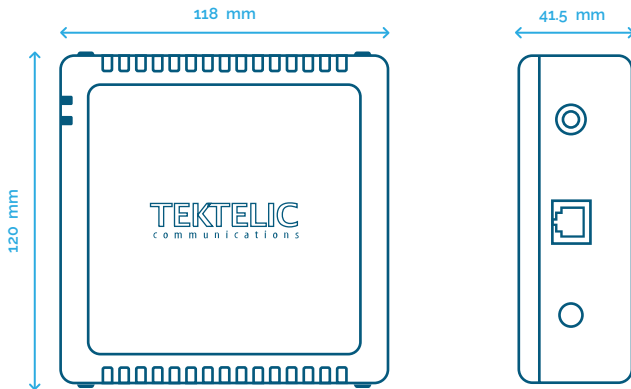
* Enabled according to applicable regional standards

Key Product Differentiators

- Enable critical enterprise IoT applications with 'Always On' connectivity. Battery backup and an integrated cellular modem.
- Simplify management with the Kona Pilot OAM tool.
- Reduce set up costs with plug-n-play installation using a custom provisioned factory image.
- Operational status indicated with multi-function LED.
- Improve coverage and service resulting in increased IoT application adoption and customer satisfaction.
- Fully integrated with the broader eco-system of LoRa™ network servers and sensors.

Technical and Functional System Specifications

| Mechanical Parameters | | Software and Management | |
|-------------------------|--------------------------------|--------------------------|-------------------------------------|
| MTBF | 830,000 hours | Tools | Access Control List management |
| DC Power Consumption | 2.3 W (Ethernet Backhaul) | | Cellular Parameter Configuration |
| | 2.6 W (Cellular Backhaul) | | System Health Monitor |
| Operational Temperature | 0°C to +40°C | | Radio Configuration and Control |
| Operational Humidity | 5% to 95% Condensing | | Remote Software Upgrade |
| Ingress Protection | IP30 | | Active and Passive Image Management |
| Size | 120 x 118 x 41.5 mm | | Factory image provisioning |
| Weight | 350 g (<200 g without battery) | Field Configuration Tool | |
| LoRa Radio Parameters | | Networking | DHCPv4 client |
| Channel Plans* | US915, EU868, AU915, AS923 | | TFTP server |
| Tx Power | 14 dBm to 27 dBm | | HTTP server |
| Rx Sensitivity | -141dBm (SF12, 293 bits/sec) | | Firewall and Access Lists |
| Rx Noise Figure | 3.5 dB | | |
| Rx Linearity | -10 dBm | | |
| Rx Dynamic Range | 70 dB Analog, 100+ dB Digital | Interfaces | |
| Regulatory Compliance | | Ethernet Backhaul | RJ-45 (10/100 BaseT) |
| Safety | UL / CSA / EN / IEC 62368-1 | Cellular Backhaul | Dual SIM / Internal Antenna |
| Regulatory | FCC: 15.247, 15.109, 15.209 | LoRa Antenna | SMA-RC |
| | ISED: RSS - 247, RSS - Gen | Power | 12V / 1A Adapter or PoE |
| | CE: RED 2014/53/EU | | |



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