

TEKTELIC MEMO

LoRaWAN® Connected Multi-Purpose Display Tablet

TEKTELIC's MEMO is ideal for any custom display messaging. Deploy in schools, retail, healthcare facilities, laboratories and office spaces. Combining the low power technologies of LoRaWAN and an EPD E-Ink screen, accommodates a low powered solution with a battery life of up to 1 year. The E-Ink display tablet is fully wireless and can be mounted anywhere.



Display Functions



DISPLAY CUSTOM SIGNAGE
(BRANDING, TEXTS, FONTS, IMAGES AND ALERTS)



MULTI-LANGUAGE SUPPORT

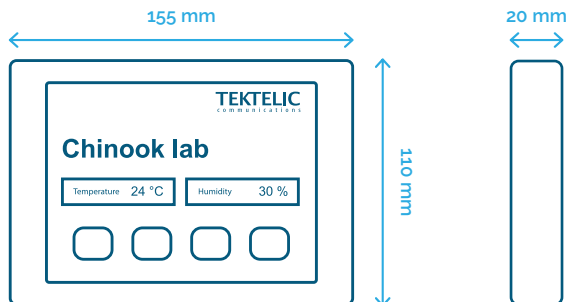


BATTERY MONITORING AND LOW-BATTERY ALERTS

Features

- ✓ **1 Year battery life*** enabled by a low-power design for extended maintenance-free operation
- ✓ **Ultra-efficient deep sleep** mode extends the operational life and wakes device when needed
- ✓ **The 4.8 inch E-Ink capacitive touchscreen** delivers a crisp, paper-like display that stays clear and readable from any angle
- ✓ **Can be customized to support embedded LNS applications on TEKTELIC gateways**, enabling custom integration with other TEKTELIC devices
- ✓ **Supports up to 15 customizable screens**, each of which can contain up to 10 labels, 10 buttons, 10 panels, and 10 images
- ✓ **Compatible with standard LoRaWAN® gateways and network servers** for broad interoperability
- ✓ **Fully wireless and mountable anywhere**, making it suitable for various applications
- ✓ **Quick and easy device onboarding & data viewing** using TEKTELIC LeapX™ mobile application
- ✓ **Able to display clear, localized messaging across multiple languages**
- ✓ **Rapid deployment** for scalable commercial and enterprise installations
- ✓ **Two power options:** battery powered (4xAA) or external power (PoE or 5 VDC barrel)

*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.