



# SMART BUC CONTROLLER

Compact and Advanced Control Solution for BUC Management



## FEATURES:

- Seamless BUC Control & Monitoring
- Intuitive Interface with Real-Time Status Updates and Alarms
- 5.0" Touchscreen Display (800×480 pixel resolution)
- User-Friendly Navigation and Interactive Controls
- Control via Built-In Interface
- Real-Time Alerts for PLL Lock, Temperature, Power Levels and more
- Ethernet, RS232 and RS485 for Flexible Integration
- Compact & Lightweight Design
- Ideal for Field and Rack-Mounted Applications
- High Reliability & Performance



## DESIGN OVERVIEW:

The Smart BUC Controller is the next generation of advanced, compact, and highly efficient controllers designed for seamless integration with Block Upconverters (BUCs). Weighing only 1.3 lbs (0.59 kg) and sizing of 7.5" x 5" x 1.3" (191 × 126 × 33 mm), this device offers intuitive control, real-time monitoring, and robust connectivity options, ensuring superior performance in demanding environments.

## DISPLAY SPECIFICATIONS

Display Size	5 inch
Resolution	800×480 pixels
Interface	SPI
Brightness	475 cd/m <sup>2</sup>
Touchscreen	Projected Capacitive with black border

## INPUT INTERFACE

Ethernet, 4 Pin Circular Connector	5V, 2A
Power Supply & Charging, 5 Pin Circular Connector	
Serial Interfaces, 8 Pin Circular Connector	RS232 / RS485

## M&C INTERFACE

Advanced Control	TX, Gain, Fan, LED, Redundancy
Alarms Monitor	PLL LOCK, HPA, VSWR, MUTE, TX

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	-10°C to +60°C
Humidity	100% condensing, IP65 Rated

## MECHANICAL SPECIFICATIONS

Dimensions	7.5" x 5" x 1.3" (191 × 126 × 33 mm) Without Connectors
Weight	1.3 lbs (0.59 kg)

