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Specification	Data
Job Name	
Type	
Catalog #	
Comments	

PRODUCT OVERVIEW

The SNAPstick 220 provides a USB connection between your computer and a SNAP wireless network. It contains an SM220 SNAP module and has a user programmable multi-color LED for custom applications.

The SNAPstick 220 is powered by the Synapse SNAP network operating system. The SNAP operating system automatically networks SNAP nodes to create a common communications infrastructure for Internet of Things (IoT) solutions.

The SNAPstick 220 is an integral part of a SNAP development environment and is the link between a SNAP network and the Synapse Portal development environment. Portal is a free, comprehensive, development and administration tool for SNAP networks that transforms your computer into a node within a SNAP wireless network, allowing it to participate as a peer or Internet gateway for connect nodes.

Order #	Description
SN220-001	SNAPstick 220 USB to SNAP Bridge Device

SPECIFICATIONS:

		USB to SNAP BRIDGE
Dimensions	2.78" x 0.9" x 0.35" (70mm x 23mm x 9mm)	
Operating Temp	0°C to +70°C	
Radio	SNAP 2.4GHz; 802.15.4 +20dBm Transmit power -103dBm Receive Sensitivity	
Range (Line of Sight)	Up to 500 feet	
Memory	128K flash 58.5K free for User Apps 4K internal EEPROM	
Certifications	FCC/IC	
Warranty	1 Year	

See www.synapsewireless.com/warranty for warranty terms.

LEDs:

The SNAPstick 220 was designed to primarily act as a bridge device. The only user-accessible GPIO is connected to the multi-color LED, controlled by SNAP GPIOs D1, D2, and D3.

LED State	D1	D2	D3
Off	High (True)	High (True)	High (True)
Red	Low (False)	High (True)	High (True)
Green	High (True)	Low (False)	High (True)
Blue	High (True)	High (True)	Low (False)

To learn more call, or visit: synapsewireless.com (877) 982-7888

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