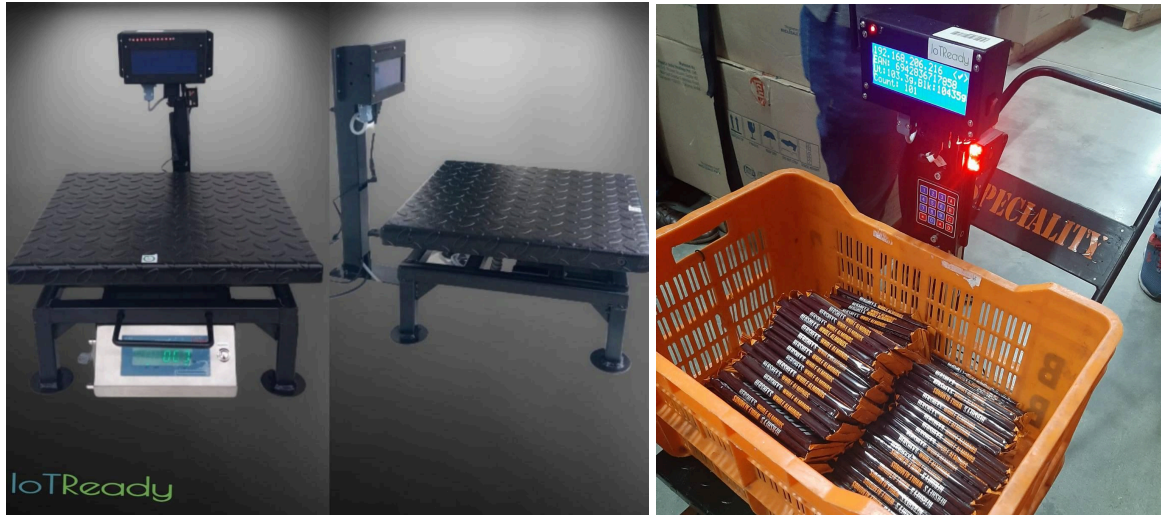


IoTReady BLE Weighing Scale & Scanner Data Logger

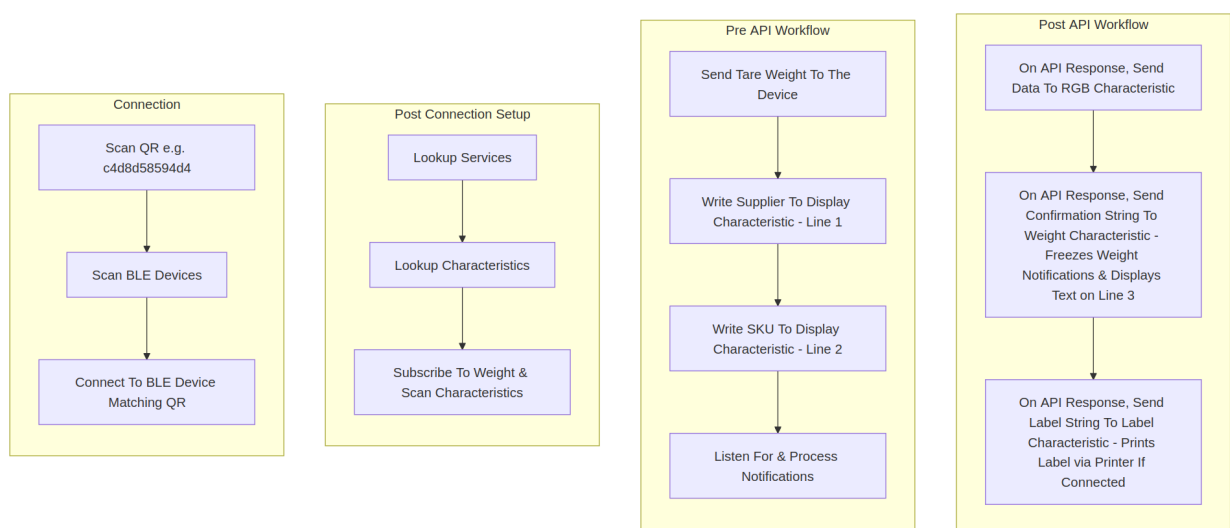
Media



Videos

- [Procurement](#)
- [Labelling](#)
- [Inventory Audits](#)

Workflow



Technical Specifications

Specification	Description	Comments																
Function	Industrial, Business																	
Compatible Scales	Any scale (desktop or floor mounted) with an RS232 port & a text based protocol. e.g. “2020 g” or “2020” = 2020 grams “2.02 kg” or “2.02” = 2020 grams	Custom binary protocols can be supported if a scale is shared with us and MoQ is 20 units.																
Display	20x4 Jumbo LCD Character Display	Default config Line 0 = Scanner Line 3 = Weight Line 1, 2 = User controlled																
RGB Indicator	8 RGB LEDs	PASS/FAIL indications, see BLE interface for details																
Enclosure	ABS Plastic (Black)	Optional IP68 Enclosure available.																
Power Supply	7-24V DC																	
BLE Version	4.2																	
Firmware Revision	V1.1																	
Options																		
Scanner (Optional)	<div>1. USB/RS232 Barcode Scanner with support all common 1D and 2D codes</div> <div>2. Built-in RFID Reader with support for EPC and TID with software controlled read range</div>	Response time of <100ms																
Keypad (Optional)	<div>4x4 membrane keypad (for RS232 variant)</div> <div>USB numeric keypad (for USB variant)</div> <table><tr><td>1</td><td>2</td><td>3</td><td>A</td></tr><tr><td>4</td><td>5</td><td>6</td><td>B</td></tr><tr><td>7</td><td>8</td><td>9</td><td>C</td></tr><tr><td>*</td><td>0</td><td>#</td><td>D</td></tr></table>	1	2	3	A	4	5	6	B	7	8	9	C	*	0	#	D	The keypad comes with a mounting plate for the stand.
1	2	3	A															
4	5	6	B															
7	8	9	C															
*	0	#	D															

Stand (Optional)	Powder coated aluminium	
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BLE Specifications

BLE Version	4.2
Simultaneous Connections	1

Services

Name	UUID	Data Format	Purpose	Comments
Read Service				
Read Service	d3edcb21-d7aa-4731-bad8-946651538500	NA	Groups characteristics	
Scanner Characteristic	d3edcb21-d7aa-4731-bad8-946651538501	String E.g. "ABCD1234"	To read scanner result Or write asset ID to display Read/Write/Notify	If the app is generating asset IDs, this characteristic can be used to write ID to display.
Weight Characteristic	d3edcb21-d7aa-4731-bad8-946651538502	Integer Byte Array in Little Endian order E.g. [0x5F, 0x5D, 0x00, 0x00] Integer represents weight in grams	To read weight from scale OR write submitted weight to display Read/Write/Notify	While typically used to read weight, one can write a stable/submitted weight to this characteristic and it will be displayed until the weight changes.
Read/Write Service				
Read / Write Service	d3edcb21-d7aa-4731-bad8-946651538510	NA	Groups characteristics	
Weight Offset Characteristic	d3edcb21-d7aa-4731-bad8-946651538511	String E.g. "1500"	To set app based tare values. Weight returned over BLE will	It is up to the developer to define the operating procedure

			subtract this value. Read/Write	around taring. This characteristic provides a method to avoid taring the scale before each operation.
Display Characteristic	d3edcb21-d7aa-4731-bad8-946651538512	String E.g. "2,Tomato"	Select and write to each line of the display Read/Write	Uses zero indexing and a comma separated string: e.g. "2, Tomato" will write "Tomato" to row 3 of the display.
Label Characteristic	d3edcb21-d7aa-4731-bad8-946651538513	String Depends on the printer model. Requires trailing newline ('\n')	Writes a label to printer (if connected) Read/Write	
Pixels Characteristic	d3edcb21-d7aa-4731-bad8-946651538514	String E.g. "100,0,0"	Lights up RGB array on display Read/Write	"R,G,B" as comma separated values (no spaces) Only the last 6 LEDs are controlled. First LED is power (RED). Second LED is connection status (PINK).
System Characteristic	d3edcb21-d7aa-4731-bad8-946651538515	String E.g. "reboot"	Controls system parameters Write	Currently available commands: "reboot" "disconnect" "ota"

WiFi Specifications

Integrated with IoTReady [Operations Traceability Platform](#). Please contact sales@iotready.co for details.