

	Implementations					
Main Function	Implementation 1	Implementation 2	Implementation 3	Implementation 4	Implementation 5	Why?
Retrieve Data	USB	RS232	Ethernet	Teleportation		Interface Requirements
Process Data (Modulate)	DASH7	Zigbee	SimpliciTI	Homemade module		Data transmission rate/ Distance Achievable/ Low Power Consumption
Control Data Flow	Processor	FPGA	External Control	uProcessor		Ease of Implementation/ Flexibility
Provide Feedback	LEDs	USB Signal	Display	RS232 Signal	Noise	Ease of Implementation/ Interface Requirements
Emit Processed Data	Infrared	Optically	Antenna/RF	Sound Waves	Wired	Project Specifications
Provide Structure	Flex Circuit	PCB	Solder	Bread Board		Cost of production/Reliable

Process Data (Modulate)							
	Ease of Implementation	Cost of Production	Data Rate	Project Specification	Distance Achievable	Low Power Consumption	Interface Requirements
DASH7	-	S	-	S	++	S	S
Zigbee	S	S	S	S	S	S	S
SimpliciTI	S	S	+	S	-	S	S
Homemade	-	-		-			

Control Data Flow							
	Ease of Implementation	Cost of Production	Data Rate	Project Specification	Distance Achievable	Low Power Consumption	Interface Requirements
Processor	--	-	S	S	S	-	S
FPGA	--	+	+	S	S	S	S
External	+	+	+	S	S	S	--
uProcessor	S	S	S	S	S	S	S

Provide Feedback							
	Ease of Implementation	Cost of Production	Data Rate	Project Specification	Distance Achievable	Low Power Consumption	Interface Requirements
LEDs	++	S	-	S	S	++	S
USB Signal	S	S	S	S	S	S	S
Display	-	-	S	S	S	-	-
RS232	S	S	-	S	S	-	S
Noise	S	S	-	-	S	S	-

++	Greatly surpasses the baseline
+	Surpasses the baseline
S	Compareable/Equal to baseline
-	Less than baseline
--	Doesn't have same functionality