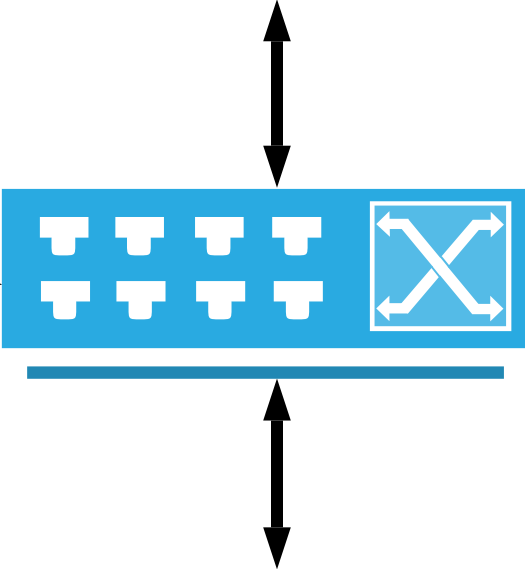
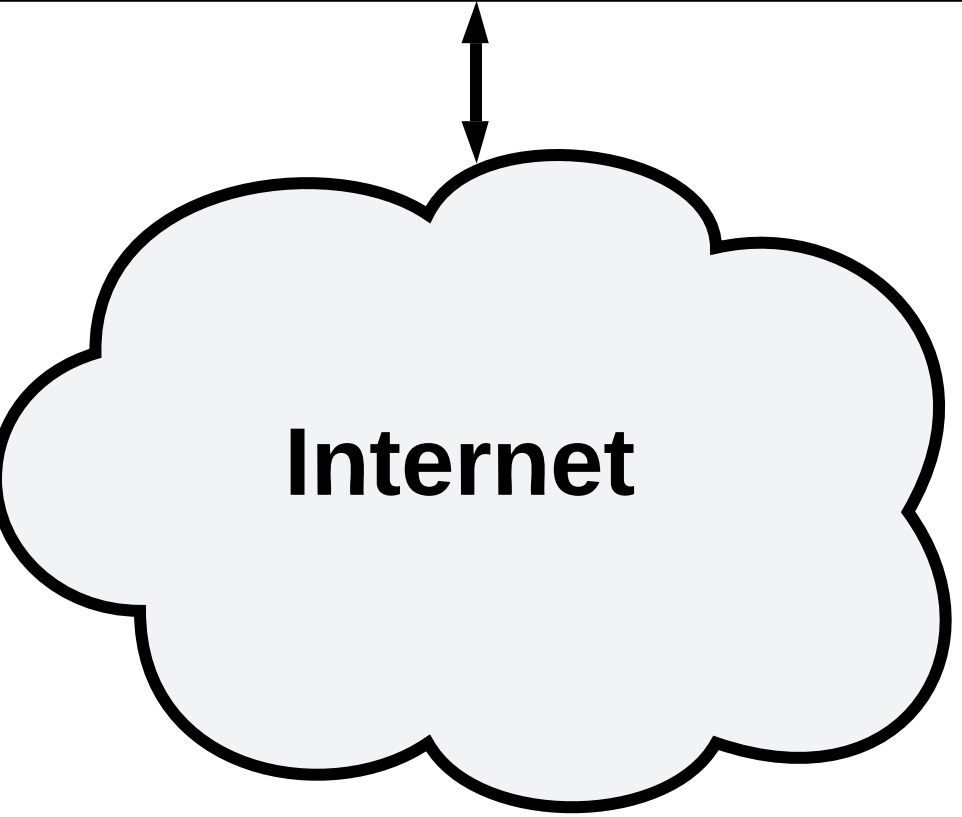


STM32F746G-DISCO		
Zephyr RTOS - C/C++		
RFID	SPI	API/LIB
LCD	LTDC / DSI LVGL	LVGL
Touchscreen	I2C	API/LIB
Stepper Motor	I/O / PWM	API/LIB
Audio	I2S & I2C	API/LIB
SD Card	SDMMC1	LittleFs
FLASH	SPI	LittleFs
Ethernet	RMII	MQTT Client

BBEAGLEY-AI		
Linux - Debian - C/Python/Bash		
CAMERA	MIPI/CSI2 V3Link / USB	AI/ML API/LIB
LCD OLED	I2C	API/LIB
Stepper Motor	I/O / PWM	API/LIB
Audio	I2S & I2C	API/LIB
RTC	I2C/SPI	API/LIB
SDR	PlutoSDR USB	GNU Radio
WiFi	???	API/LIB
Ethernet	RMII	MQTT Server/Client

Creativity !!!
Dashboard
SMS / EMAIL
Cloud - AI/ML
Cloud - IoT - MQTT



ToF	I/O	API/LIB	NeoRV32 Baremetal	Microblaze-V PetaLinux - MQTT	Ethernet	RMII	MQTT Client			
EoT Switch	I/O	API/LIB			SD Card	//	FS			
Stepper Motor - Barrier	I/O / PWM	API/LIB			DDR	//	Linux			
4x4 KEYPAD	I/O	API/LIB		MAILBOX - INTERCONNECT						
MAILBOX - INTERCONNECT				<div>USER LOGIC CREATIVITY !!!</div>						
LCD	I2C PCF8574	API/LIB	NeoRV32 Baremetal					Audio DAC 24-Bit 2nd Order Sigma Delta Modulator Digital Filters I2S Interface	<div>ASIC</div>	PSM25DA24S Audio DAC ASIC Cadence Design Flow
LED MATRIX	SPI MAX7219	API/LIB								
LED MATRIX	I/O WS2812B	API/LIB								
LIGHT	I/O	API/LIB								
VHDL / Verilog - C/C++										
NEXYS A7-100T : SoC / RISC-V										

DC/DC Buck	Creativity !!!	DC/DC Boost
Battery Pack xSyP BMS !!!		
PSU / UPS		
PCB		
POWER		