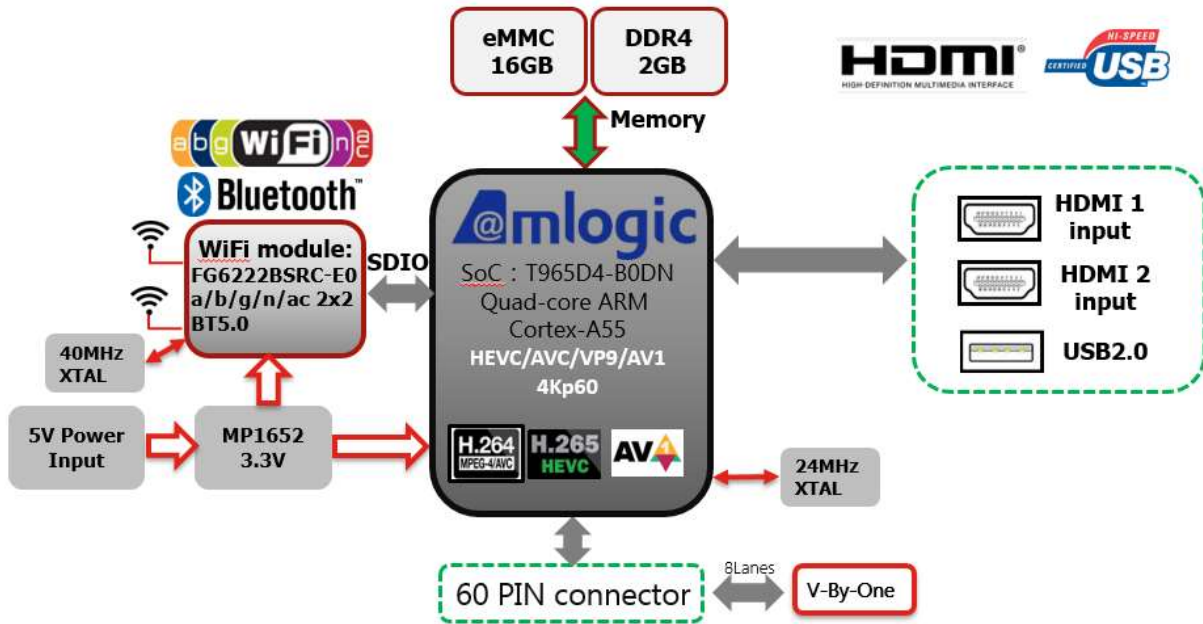




WLAN/BT Module

STI6290-D101

1. Block Diagram



2. Specification

Items	Specification	Notes
PCB Size	■ STI6290-D101-Board: L:85 x W:85 x H:11[mm]	
Supply Power	DC+5V±10% 3A(Max) from Projector board	
Power consumption	DC +5V±10% 3A(MAX) Less than 1.2W at Suspend mode Less than 0.2W at Standby mode (deep sleep)	
Interface for <u>internal</u>	■ Micro Coax Connector 60pin x1 (Use for Communication signal) ■ Power connector 8pin x1 (Use for +5V power input from Projector board)	
Interface for <u>external</u>	■ USB2.0 Type-A (USB Host) x1	
HDMI interface (Video input)	Use for Video input (2port) HDMI1: 2K/4K 60Hz (up to 18Gbps) HDMI2: 2K/4K 60Hz (up to 18Gbps), eARC support	
V-by-one interface (Video output)	Use for Video output(1port) Number of lanes: 8Lane (MAX resolution:3840*2160P,60Hz)	
Audio Output	■ eARC (Please Implement HDMI2) ■ I2S OUT x1 ■ SPDIF OUT x1	

Bluetooth	Bluetooth 5.0 Bluetooth BR/EDR (1/2/3Mbps) BLE 1M/2M/CODED PHY	
2.4GHz Wi-Fi	IEEE 802.11 b/g/n, 2x2, Wi-Fi compliant(2.400 GHz ~ 2.4835 GHz) EU SKU: CH1~CH13 US SKU: CH1~CH11 CN SKU: CH1~CH13	
5GHz Wi-Fi	IEEE 802.11a/n/ac 2x2, Wi-Fi compliant(5.150 GHz ~ 5.850 GHz) EU SKU: CH36~CH48 US SKU: CH36~CH48, CH149~CH165 CN SKU: CH36~CH48, CH149~CH165	
Homogenous	RoHS	
Working altitude	5000m	
Operating temperature	Ambient temperature: 0 ~ 45°C	