

iEC-N321

Protocol Gateway



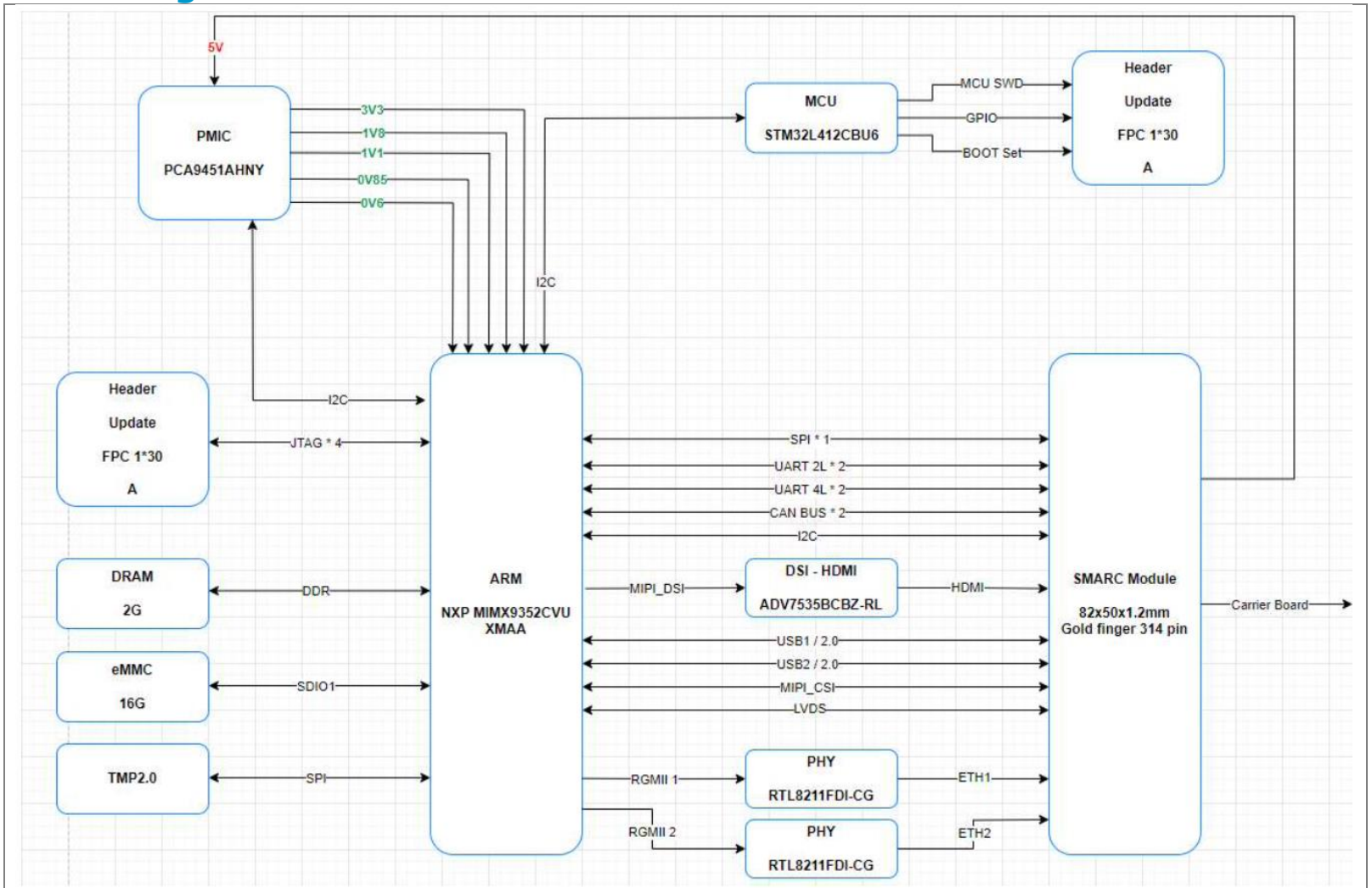
Product Feature:

- Up to 1.7GHz dual-core ARM Cortex-A55
- Short-sized SMARC (82 x 50mm) with MXM3 connector
- Up to 2GB LPDDR4, 16GB eMMC
- Double display: HDMI 1.4a, LVDS
- Industrial operating temperature: -40°C ~ 85°C

Specifications

System		Interface (Supply by carry board)	
CPU/MCU	NXP i.MX 93, dual Cortex-A55 @1.7 GHz Processor	Serial Port	2 x 2-Wire + 2 x 4-Wire
Memory	2GB DDR4	Ethernet	2 x Ethernet 10/100/1000
Storage	32GB eMMC	USB	2 x USB2.0
Real time clock	--	ADC	--
Indicators	--	DI/DO	--
Cellular	--	AI/AO	--
Wireless LAN	--	CAN Bus	--
Operating System	--	Display	1 x HDMI 1.4a 1080P@60 1 x 4 Lane LVDS
Support Protocol	--	Power Connector	--
Power Supply		Debug Port	--
Power Requirement	5V	Expansion Slot	--
Power Consumption	--	Other Interface	--
MTBF (Hours)	--		
Environmental and Mechanical			
Dimension	3.22" x1.96" (82 x 50 mm)		
Weight	20 g		
Mouting/Installation	--		
Operating Temperature	-40 °F ~ 185 °F (-40 °C ~ 85 °C)		
Storage Temperature	-40 °F ~ 185 °F (-40 °C ~ 85 °C)		
Operating Humidity	5% ~ 95% relative humidity, non-condensing		
Certification			
Regulations	--		
Carrier	Planning		

Block Diagram



Ordering Information

Part Number	Packing List
2iEC-N321-01 SOM, NXP i.MX 93, 1.7GHz, 2G RAM, 16GB eMMC	--