

Reference Design for Extended Functions

Pins for Extended Functions			
Pin	Recommended Module Flash Pin	Recommended Smart Module Pin	Description
RFU4	HUB_SPI_CLK	(Reserved)	Clock signal of serial pin
RFU6	HUB_SPI_CS	(Reserved)	CS signal of serial pin
RFU8	HUB_SPI_MOSI	/	Module Flash data storage input
	/	HUB_UART_TX	Smart module TX signal
RFU10	HUB_SPI_MISO	/	Module Flash data storage output
	/	HUB_UART_RX	Smart module RX signal
RFU3	HUB_CODE0		Module Flash BUS control pin
RFU5	HUB_CODE1		
RFU7	HUB_CODE2		
RFU9	HUB_CODE3		
RFU18	HUB_CODE4		
RFU11	HUB_H164_CSD		74HC164 data signal
RFU13	HUB_H164_CLK		
RFU14	POWER_STA1		Dual power supply detection signal
RFU16	POWER_STA2		
RFU15	MS_DATA		Dual card backup connection signal
RFU17	MS_ID		Dual card backup identifier signal

Note

The RFU8 and RFU10 are signal multiplex extension pins. Only one pin from either the Recommended Smart Module Pin or the Recommended Module Flash Pin can be selected at the same time.

Specifications

Maximum Resolution	768×512@60Hz (For 8-bit and 10-bit video sources) 512×480@60Hz (For 12-bit video sources)	
Electrical Specifications	Input voltage	DC 3.8 V to 5.5 V
	Rated current	1.35 A
	Rated power consumption	6.8 W
Operating Environment	Temperature	-20°C to +70°C
	Humidity	10% RH to 90% RH, non-condensing
Storage Environment	Temperature	-25°C to +125°C
	Humidity	0% RH to 95% RH, non-condensing
Physical Specifications	Dimensions	80.0 mm × 45.0 mm × 8.6 mm
	Net weight	25.5 g
Packing Information	Packing specifications	An antistatic bag and anti-collision foam are provided for each receiving card. Each packing box contains 40 receiving cards.
	Packing box dimensions	381.0 mm × 196.0 mm × 124.0 mm

The amount of current and power consumption may vary depending on various factors such as product settings, usage, and environment.

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[Technical support](mailto:support@novastar.tech)
support@novastar.tech