

AiMiR Communications Network
 Model : NAMR-P117LT (MBB MODEM)

Specifications

Item	Description
Processor	ARM Cortex 32Bits Microcontroller
Memory	Min. Flash 1MB, RAM 256KB
External Memory	Serial Flash 8M Byte
Interface	UART : Metering & Console
Mobile Interface	UART interface Mobile Module
Mobile Antenna	- Built-in : 2dBi Internal Ant. - External : Mountable Ant., Connector Type : MCX
Mobile Frequencies	GSM/GPRS/EDGE/3G/LTE
Mobile Output Power	Class 4(2W, 33dBm) @ GSM 850/900
	Class 1(1W, 30dBm) @ GSM 1800/1900
	Class E2(0.5W, 27dBm) @ EDGE 850/900
	Class E2(0.4W, 26dBm) @ EDGE 1800/1900
	Class 3(0.25W, 24dBm) @ 3G
	Class 3(0.2W, 23dBm) @ LTE
Mobile Data	LTE (Uplink up to 50Mbps, Downlink up to 100 Mbps)
	HSPA+ (Uplink up to 5.76Mbps, Downlink up to 42.0 Mbps)
	UMTS (Uplink/Downlink up to 384 kbps)
	EDGE (Uplink/Downlink up to 236 kbps)
	GPRS (Uplink/Downlink up to 85.6 kbps)
Mobile Sensitivity	-111.5 dBm @ GSM 850
	-111.5 dBm @ GSM 900
	-110.5 dBm @ GSM 1800
	-110.0 dBm @ GSM 1900
	-115.0 dBm @ WCDMA FDD B1
	-114.5 dBm @ WCDMA FDD B8
	-102.5 dBm @ LTE FDD B3
	-100.5 dBm @ LTE FDD B7
-102.5 dBm @ LTE FDD B20	

PRODUCT DATASHEET

Mobile Approval	CE mark
Operating Temperature / Humidity	-40 °C ~ +70 °C / 10% ~ 95%
Storage Temperature / Storage Humidity	-40 °C ~ +85 °C / 10% ~ 95%
Power Consumption @DC + 12V	Typ. RX Mode: 0.84W
	Typ. TX Mode: 3.36W
	Charging state: Max 3.64W (Charge Current: 60mAh)
Back Up Battery	EDLC 2.7V (33F) 2EA
RoHS	Comply
Size (mm)	107(L) X 42(W) X 28(D)
DC Mains Input	DC +12V

Main Parts List

Item	Model Name	Type	Vendor	Remark
MCU	32-bit STM32F412RGT6	Industrial	ST	OS: RTOS -40°C ~ 85°C
S-Flash	W25Q64FV	Industrial	Winbond	-40°C ~ 85°C
2G/3G/4G Module	LE910-EUG	Industrial	Telit	-40°C ~ 85°C
Other	R/L/C etc.	Industrial	Murata	-