

AiMiR Concentrator Family

AiMiR Communications Network

Model : NDC-I336



Specifications

Item	Description
Processor	ARM Cortex-A8 32Bits Processor
Memory	DDR2 512MB
	FLASH 1GB, Serial Flash 16MB
Interface	RS-232 : Console LAN/10,100,1000M bps(1Port)
RF (Sub-Giga) Interface	Async logic level Sub-Giga Module (Center Freq. ; 872.8MHz)
RF (Sub-Giga) Antenna	Antenna Type: 3dBi Omni-directional Extension Antenna : Option Connector Type: SMA-Male or N-Male (Ext. Ant.)
GSM/GPRS/3G/LTE Interface	USB interface / GSM/GPRS/3G/LTE Module
GSM/GPRS/3G/LTE Antenna	Antenna Type : 1dBi Omni-directional Extension Antenna : Option Connector Type : SMA-Male or N-Male(Ext. Ant.)
Operating Temperature / Humidity	-40℃ ~ +70 ℃ / 10% ~ 95%
Storage Temperature / Storage Humidity	-40℃ ~ +85℃ / 10% ~ 95%
Power Consumption @ AC 230V/50Hz	Normal Operation: 6 W
	Mobile Good Signal (RX/TX) : Max 8 W
	Mobile Weak Signal (RX/TX) : Max 9 W
	Charging state: Max 12W (Charge Current : 350mAh)
Back Up Battery	Rechargeable Li-Ion Battery 3.7V(5200mAh)

PRODUCT DATASHEET

RoHS	Comply
Weight (g)	900
Size (mm)	256(L) X 130(W) X 75(D), not include Antenna
AC Mains Input	AC 100 ~ 240V, 50~60Hz
Quality of the material	PC+ABS/UL94-V0

Enclosure for Data Concentrator

Enclosure

Function
Reliability
Optimal protection from external shock and environment the locking mechanism for security
Waterproof Function(IP65)
User Convenience
Easy to check operating status of DCU through the window
Easy to bind DCU and Antenna
Multi installation device



Identification code for Protection	
- IP Level	65
Mechanical	
- Dimension (H x W x D: mm)	400 x 270 x 150
- Weight (kg)	2.5kg
Quality of the material	PC/UL94-V0

Main Parts List

Item	Model Name	Type	Vendor	Remark
MPU	AM3352BZCZA80	Industrial	TI	OS: Linux 2.6.X -40°C ~ 85°C
DDR2	W972GG8JB25I	Industrial	Winbond	-40°C ~ 85°C
N-Flash	MT29F8G08ABACAWP-IT	Industrial	Micron	-40°C ~ 85°C

PRODUCT DATASHEET

S-Flash	W25Q128FVSI	Industrial	Winbond	-40°C ~ 85°C
2G/3G/4G Module	LE910-EUG	Industrial	Telit	-40°C ~ 85°C
Wi-SUN Transceivers	CC1200	Industrial	TI	-40°C ~ 85°C
780 – 960 MHz RF Front End	RFX1010	Industrial	RFaxis	-40°C ~ 125°C Wi-SUN support Integrated PA, LNA, RF Switches, Matching Network, and harmonic filters.
SMPS	GETS-061R5	Industrial	GET	-30°C ~ 85°C
Battery	NTSS520012-60	Li-ION 3.7V/5200mAh	Samsung	-
Other	R/L/C etc.	Industrial	Murata	-