

BY505

1. General Specification

CPU	ARM 180MHz 32Bit
System Clock	180MHz
Flash Memory	8M Byte
SDRAM	32M Byte
LED	5
Watch Dog	Yes
USB Port	2
Environment Port	Yes
Real Time Clock	Yes
LCD Display	Yes
LAN Interface	10M/100M UTP
Ethernet Throughput	1620K Byte per seconds
Ethernet Latency	0.759 milliseconds

2. Power Specification

AC-to-DC Adapter

ITEM	Minimum	Maximum
AC Input Voltage	90V AC	264V AC
AC Input Frequency	47Hz	63Hz
AC Input Current		250mA
Efficiency		
Output Voltage	9VDC±5%	
Output Current		2A

NetAgent 9

ITEM	Minimum	Maximum
DC Input Voltage	+5.3V	+40V
DC Input Current (Including USB device)		8W Maximum

3. Signal Specification

Receiver Inputs

PARAMETER	CONDITIONS	MIN	TYP	MAX
Input Voltage Range		-25V		+25 V
Input Threshold Low	TA = +25°C	+0.6V	+1.2V	
Input Threshold High	TA = +25°C		+1.5V	+2.4V
Input Hysteresis			0.3 V	
Input Resistance	TA = +25°C	3 k ohm	5 k ohm	7k ohm

Transmitter Outputs

PARAMETER	CONDITIONS	MIN	TYP	MAX
Output Voltage Swing	All transmitter outputs loaded with 3k ohm to ground	±5.0V	±5.4V	
Output Resistance	TA = +25°C	300	10M	
Output Short-Circuit Current			±35 mA	±60 mA

4. Environment Specification

PARAMETER	CONDITIONS	Minimum	Maximum
Operating Temperature		0 °C	60 °C
Storage Temperature		-40 °C	125 °C
Operating Humidity	Non-Condensing	10% RH	90% RH
Storage Humidity	Non-Condensing	5% RH	95% RH

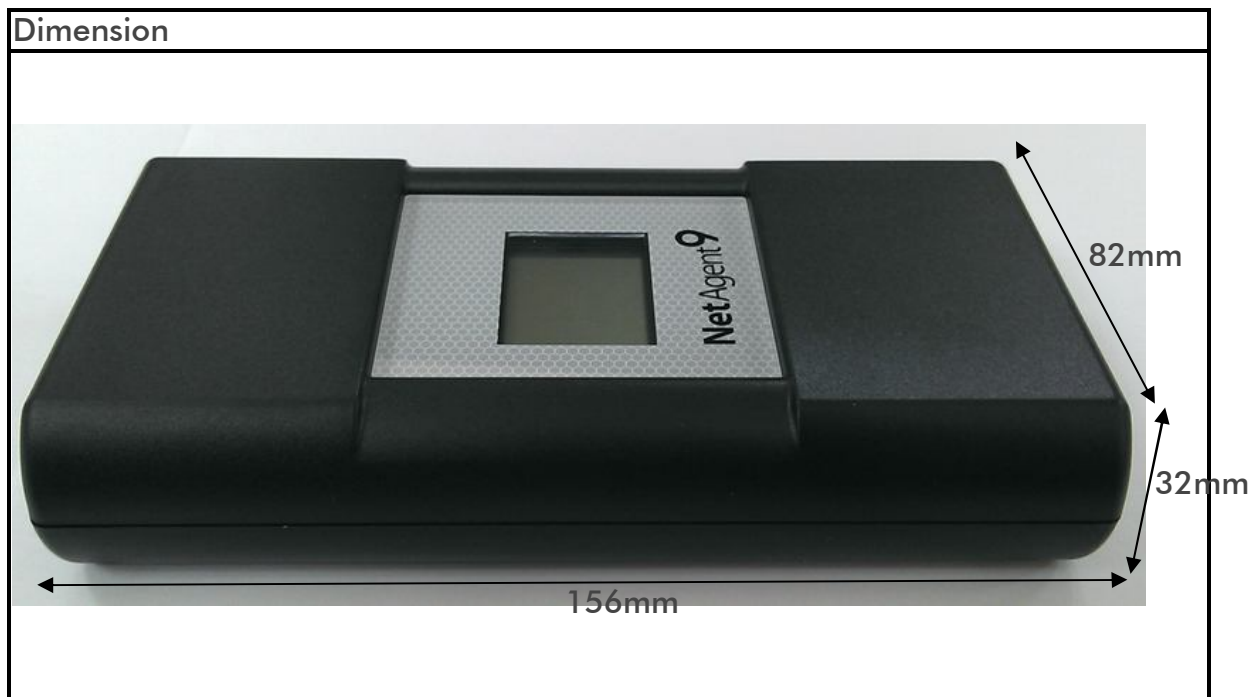
EMI
FCC Class B, CE

5. Dimension and Outlook

The whole package includes the following items.

A. NetAgent 9 External

Dimension	156mm(L) x 82mm(W) x 32mm(H)
Weight	215.0g±2g
Protection	The NetAgent9 External Module is protected by bubble bags during shipment.



Outlook

Top view



Bottom view

