Protocol Boad Inverter(Test Port) to Monitor

Board Inverter จะส่งค่าข้อมูลออกมาเป็นระยะทุกๆ 2.5 วินาที
Monitor จะอ่านค่าถ้าไม่มีคำสั่งใดจะตอบ Response กลับไป
แต่ถ้าต้องการส่งคำสั่งจะส่งคำสั่งตอบไปแทน Response

PC AND UNIFY MONITOR READ ONLY

Transmitsion and Receivsion Type	
Method	UART
Baud rate	600
Form	8-n-1

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte 0	Address 1 (0xFF)							
Byte 1	Address 2 (0xFE)							
Byte 2	LED Code							
Byte 3	DC Volte (Byte High)							
Byte 4	DC Volte (Byte Low)							
Byte 5	Indoor Mode				Indoor Power			
Byte 6	Indoor Fan				Indoor Louver			
Byte 7	Indoor Set Temp (Set Temp / 2)							
Byte 8	Indoor Humidity							
Byte 9	Indoor Room Temp (Room Temp / 4)							
Byte 10	Indoor Inlet Temp ((Inlet - 40) / 2)							
Byte 11	Indoor OurletTemp ((Outlet - 40) / 2)							
Byte 12	Indoor Status							
Byte 13	EXV (Byte High)							
Byte 14	EXV (Byte Low)							
Byte 15	Current (Data Current x 10)							
Byte 16	AC Volte							
Byte 17	Temp Dish							
Byte 18	Temp Amb							
Byte 19	Temp Shell							
Byte 20	Temp Mid							
Byte 21	Outdoor Status 0							
Byte 22	Outdoor Status 1							
Byte 23	Driver Error Massege							
Byte 24	Target Frequency							
Byte 25	Outdoor Status 2							
Byte 26	Target Demand							
Byte 27	Software Revision							
Byte 28	Capacity							
Byte 29	(1's complement of Byte 0 to Byte 28) + 1							

Indoor Status

Bit 0 : Normal / Trip Mode 0 = Normal Mode, 1 = Trip Mode
Bit 1 : Normal / Defrost Mode 0 = Normal Mode, 1 = Defrost Mode
Bit 2 - 7 : Reserve

Outdoor Status 0

Bit 0 : Driver running message	0 = Normal, 1 = Error
Bit 1 : Fan low	0 = Fan low off, 1 = Fan low on
Bit 2 : Fan high	0 = Fan high off, 1 = Fan high on
Bit 3 : Rv	0 = Rv off, 1 = Rv on
Bit 4 : Heater	0 = Heater off, 1 = Heater on
Bit 5 : Indoor commu	0 = Connect, 1 = Loss
Bit 6 : Driver commu	0 = Connect, 1 = Loss
Bit 7 : Mode	0 = Cool, 1 = Heat

Outdoor Status 1

Bit 0 : System	0 = Normal, 1 = Trip
Bit 1 : Out door defrost	0 = N/A, 1 = Active
Bit 2 : Compressor	0 = Off, 1 = On
Bit 3 : 3min	0 = Off, 1 = On
Bit 4 : Exv Operate	0 = Auto, 1 = Manual

Outdoor Status 2

Bit 3 : H/L	0 = Close, 1 = Open

Louver

Value 0 : Auto
Value 1 : Level 1
Value 2 : Level 2
Value 3 : Level 3
Value 4 : Level 4
Value 5 : Level 5

Fan

Value 0 : Auto
Value 1 : Low
Value 2 : Meduim
Value 3 : Higth
Value 4 : Hi Hi
Value 5 : Turbo
Value 6 : Off

Operating

Value 0 : Cool mode
Value 1 : Dry mode
Value 2 : Auto mode
Value 3 : Heat mode
Value 4 : Fan mode

Power

Bit 0 : Off / On Mode 0 = Off Mode, 1 = On Mode

PC AND UNIFY MONITOR WRITE ONLY

Master	Value
Slave address	0x01
Function	0x06
Address (Hi)	
Address (Lo)	
Value (Hi)	
Value (Lo)	
Error Check(Lo)	CRC (Lo)
Error Check(Hi)	CRC (Hi)

1) Control Command : Address 108

Bit 0 : Off / On Mode 0 = Off Mode, 1 = On Mode

Bit 1 : Exv Auto / Exv manual 0 = Auto, 1 = Manual

Bit 2-7: Reserve

2) Operating Command : Address 109

Value 0 : Cool mode

Value 1 : Dry mode

Value 2 : Auto mode

Value 3 : Heat mode

Value 4 : Fan mode

3) Fan Command : Address 110

Value 0 : Auto

Value 1 : Low

Value 2 : Meduim

Value 3 : Higth

Value 4 : Hi Hi

Value 5 : Turbo

Value 6 : OFF

4) Louver Command : Address 111

Value 0 : Auto

Value 1 : Level 1

Value 2 : Level 2

Value 3 : Level 3

Value 4 : Level 4

Value 5 : Level 5

5) Set Temp Command : Address 112 0 - 60 : 0 - 30 Degree

6) Humidity Command : Address 113 0 - 100 %

7) Exv Command : Address 114 0 - 480

PC AND UNIFY RESPOND

Master	Value
Slave address	0x01
Function	0x03
Address (Hi)	0x00
Address (Lo)	0x00
Value (Hi)	0x00
Value (Lo)	0x00
Error Check(Lo)	0x45
Error Check(Hi)	0xCA