

I8172

Reference Manual

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Service and usage information for WinPAC 8000 Series



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1. pac8172_ReadDI

We offer the default value in checksum and timeout. The checksum is disable and the timeout is 200ms. If you must change these value, please use “dcon_Configure” to modify.

Syntax

WORD pac8172_ReadDI(BYTE Slot,BYTE Port,BYTE wSA);

Parameter

Slot:

[in] Specify the Winpac system slot (Range: 1 to 7)

Port:

[in] Specify the FRnet port of i8172 (0 or 1)

wSA:

[in] Specify the SA (sender address)of remote FRnet module (Range: 8 to 15)

Return Values

The 16-bit input data

Examples

[C++]

```
int slot=1;
byte port=0;
byte wSA=8;
word wInput;
wInput = pac8172_ReadDI (slot, port, wSA);
```

[C#]

```
byte slot=1;
```

```
byte port=0 , wSA=8;  
int wInput;  
wInput = pac8172.ReadDI(slot, port, wSA);
```

2. pac8172_WriteDO

Write FRnet digital output data.

Syntax

```
void pac8172_WriteDO(BYTE Slot, BYTE Port, BYTE wRA, WORD Data);
```

Parameter

Slot:

[in] Specify the Winpac system slot (Range: 1 to 7)

Port:

[in] Specify the FRnet port of i8172 (0 or 1)

wRA:

[in] Specify the RA (receiver address)of remote FRnet module (Range: 0 to 7)

Data:

[in] The output data for the remote specific FRnet module

Return Values

None.

Examples

[C++]

```
int slot=1;  
BYTE port=0;  
BYTE wRA=1;  
WORD wOutData = 0x5555;  
wInput = pac8172_WriteDO (slot, port, wRA, wOutData);
```

[C#]

```
byte slot=1;  
byte port=0, wRA =1;  
int  wOutData = 0x5555;  
wInput = pac8172.WriteDO (slot, port, wRA, wOutData);
```

3. pac8172_ReadNodeStatus

Read FRnet digital input status.

Syntax

```
BYTE pac8172_ReadNodeStatus(int Slot, BYTE Port);
```

Parameter

Slot:

[in] Specify the Winpac system slot (Range: 1 to 7)

Port:

[in] Specify the FRnet port of i8172 (0 or 1)

Return Values

The status of input-group.

Bit0 stand for Group-0

Bit1 stand for Group-1

:

Bit7 stand for Group-7

Examples

[C++]

```
int slot=1;  
BYTE port=0;  
BYTE status;  
status = pac8172_ReadNodeStatus (slot, port);
```

[C#]


```
int slot=1;  
byte port=0;  
byte status;  
status = pac8172.ReadNodeStatus (slot, port);
```

4. pac8172_ResetDO

Reset FRnet digital output status.

Syntax

```
void pac8172_ResetDO(int Slot, BYTE Port);
```

Parameter

Slot:

[in] Specify the Winpac system slot (Range: 1 to 7)

Port:

[in] Specify the FRnet port of i8172 (0 or 1)

Return Values

None.

Examples

[C++]

```
int slot=1;  
BYTE port=0;  
pac8172_ResetDO (slot, port);
```

[C#]

```
int slot=1;  
byte port=0;  
pac8172.ResetDO (slot, port);
```