



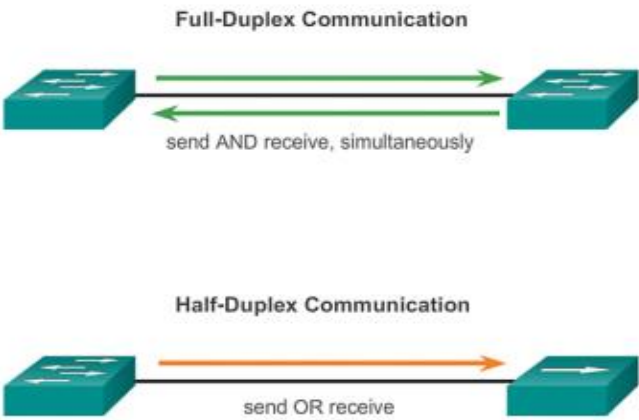
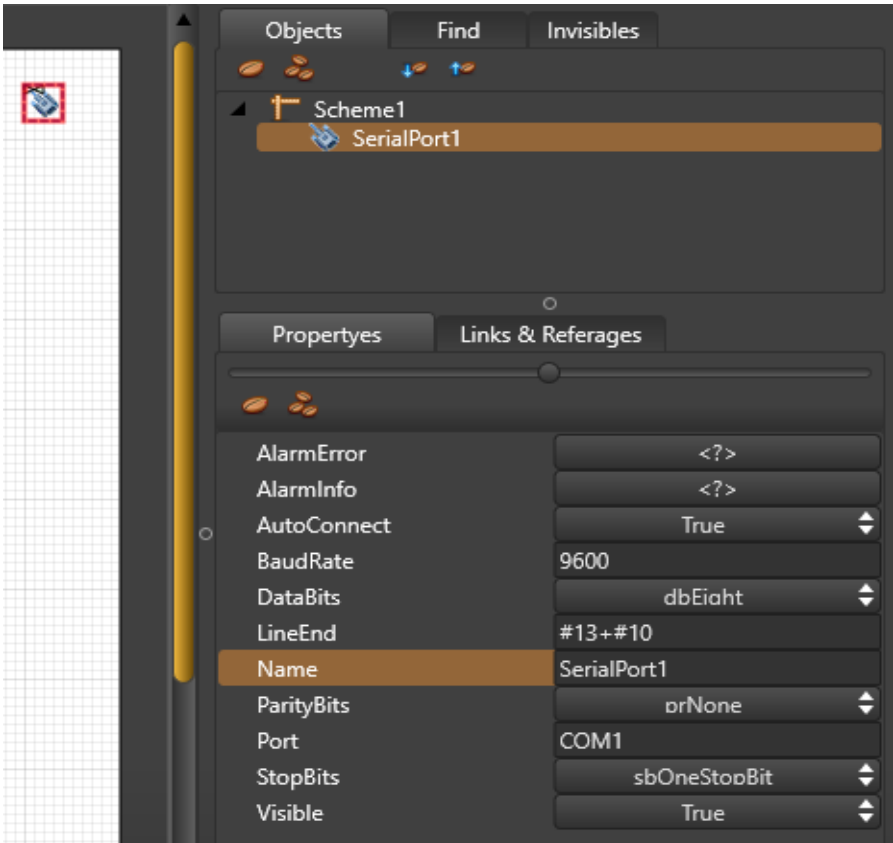
# Serial Port Component

Using :  
For **FulDuplex** Serial Communication

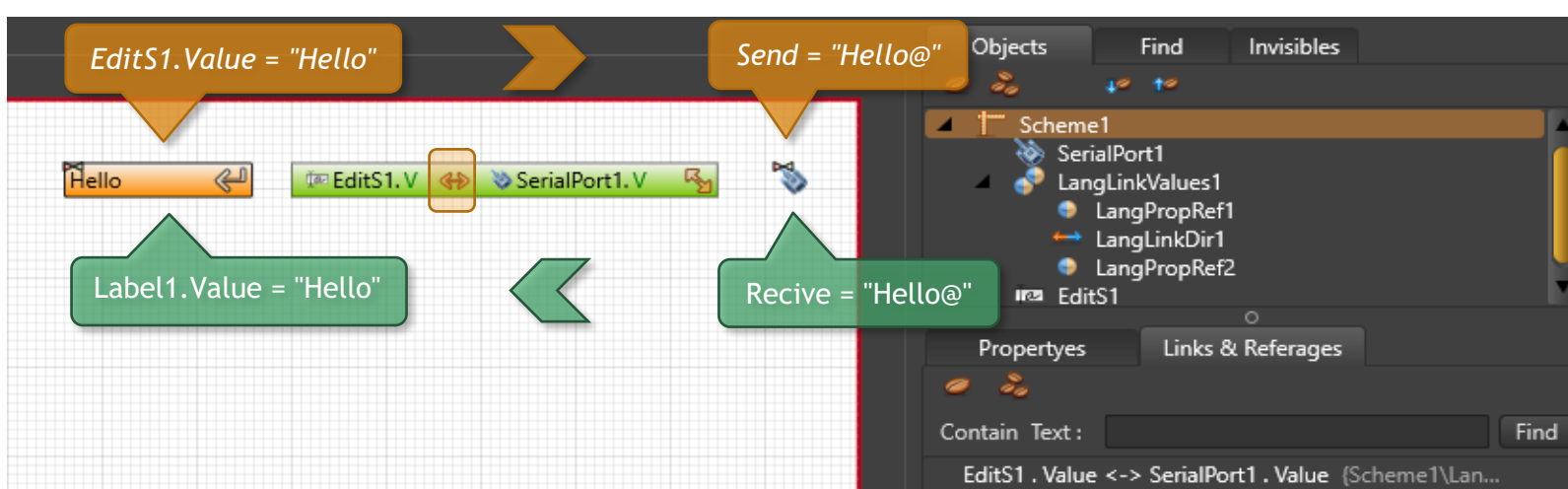
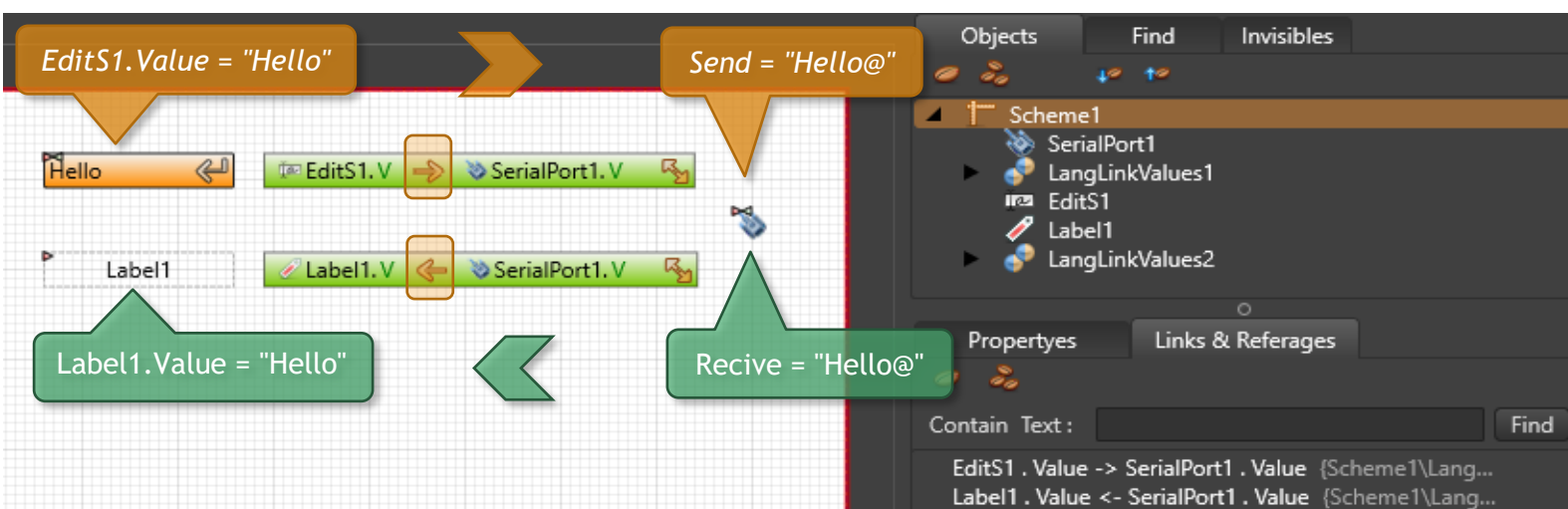
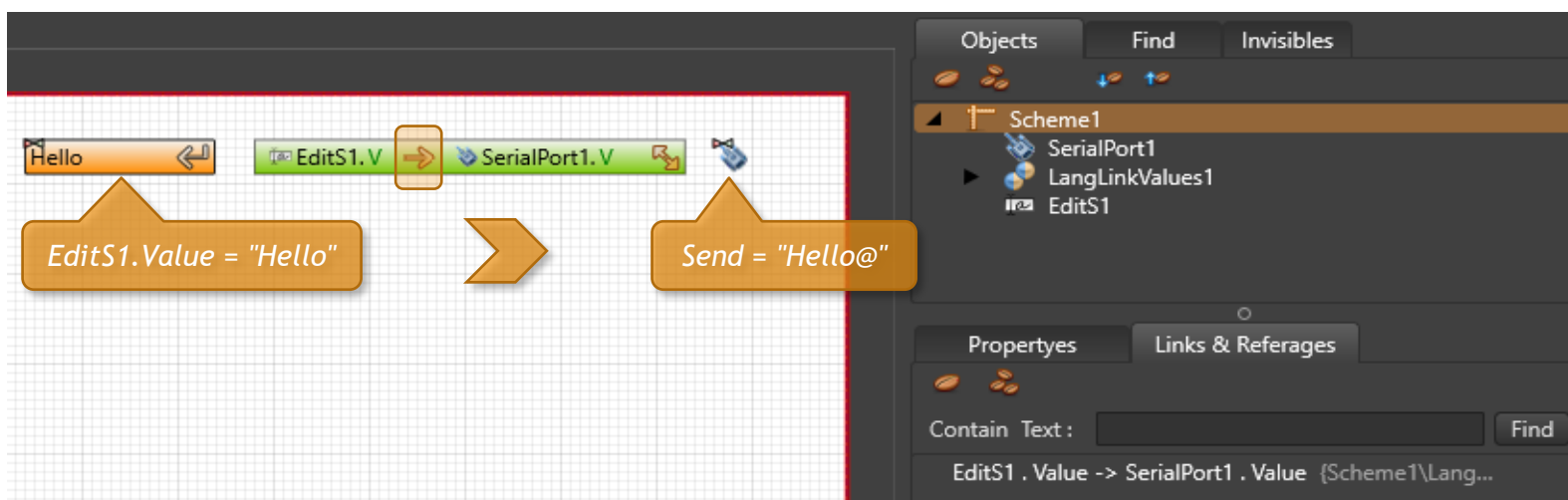
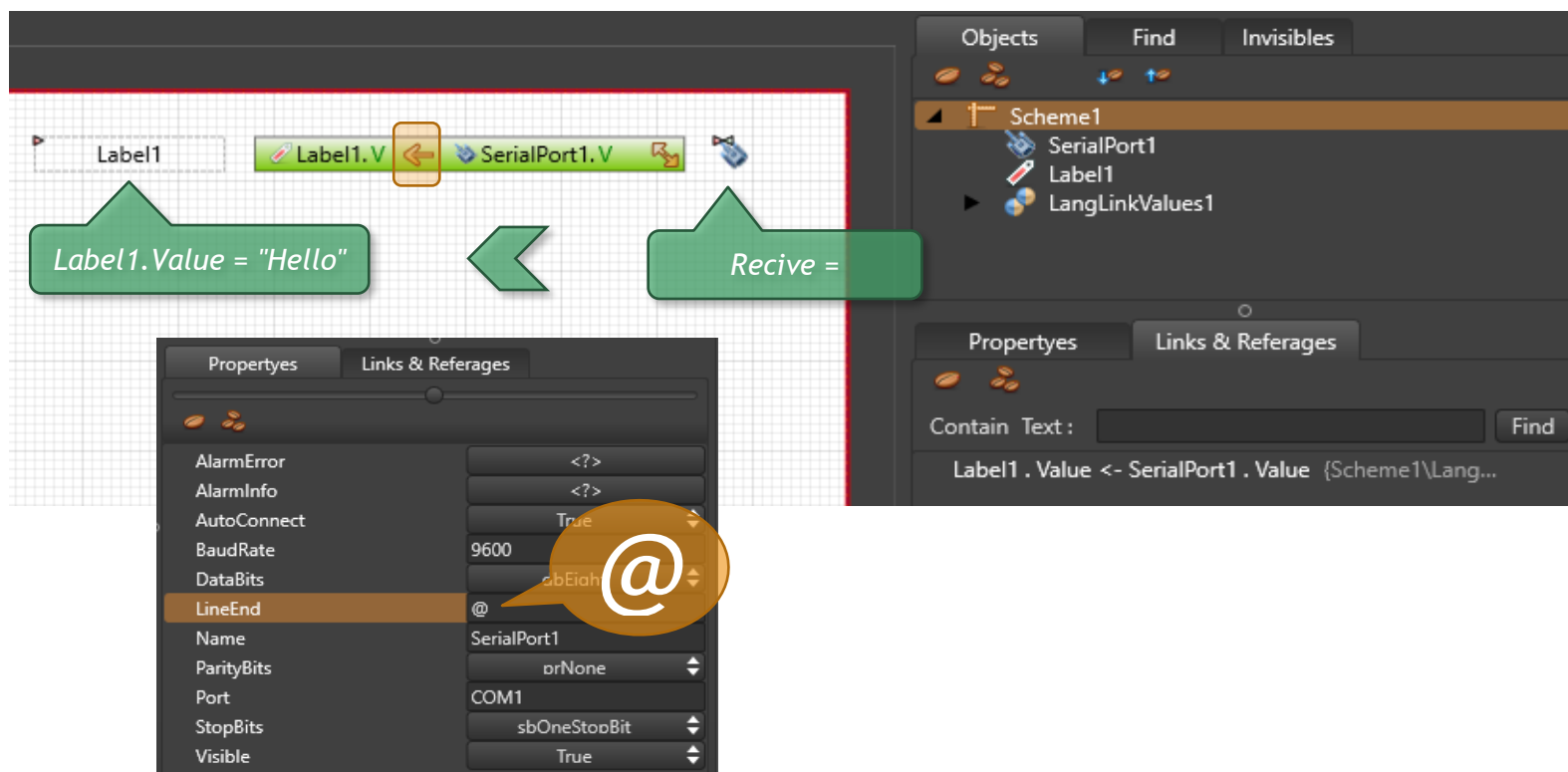
Events :  
OnReciveValue      Recive Event

Commands :  
Connect              Connect Port  
ClearInBuffer      Clear input Buffer

Propertyes :  
AlarmError              TXAlarm referange  
AlarmInfo              TXAlarm referange  
  
Port                      Com1 , Com2 ...  
BautRate                9600 ...  
ParityBits              prNone, prOdd, prEven, prMark, prSpace  
DataBits                dbSeven,dbEight  
StopBits                sbOneStopBit, sbTwoStopBits  
  
AutoConnect            Connet After Run  
LineEnd                Terminate String  
Special Chars #13+#10  
#13 dec. Ascii Code 13  
xD or \$D Hexadecimal. Ascii Code 13  
\\n C++ Ascii Code 13  
if terminate String = "@" Port wait Recive String Terminated By "@"  
For Example "Hello@"



## Example



# Parse Address And Number From String With Block

DigitalIN1.Value = 100

Recive

"A100@"

SerialPort1.Value = "A100"

TextValue = "A"

NumValue = 100

LangRungBlock1

TextValue.V = U.SJustText[SerialPort1.V]

NumValue.V = U.SJustNumber[SerialPort1.V]

TextValue.V = "A"

< then >

DigitalIN1.V = NumValue.V

TextValue.V = "B"

< then >

DigitalIN2.V = NumValue.V

Properties

Links & Referages

AlarmError

AlarmInfo

AutoConnect

BaudRate

DataBits

Line End = "@"

9600

dbEight

@

Name

SerialPort1

ParityBits

Port

COM1

StopBits

sbOneStoopBit

Visible

True

Recive

"B99@"

SerialPort1.Value = "B99"

TextValue = "B"

NumValue = 99

LangRungBlock1

TextValue.V = U.SJustText[SerialPort1.V]

NumValue.V = U.SJustNumber[SerialPort1.V]

TextValue.V = "A"

< then >

DigitalIN1.V = NumValue.V

TextValue.V = "B"

< then >

DigitalIN2.V = NumValue.V

Properties

Links & Referages

AlarmError

AlarmInfo

AutoConnect

BaudRate

DataBits

Line End = "@"

9600

dbEight

@

Name

SerialPort1

ParityBits

Port

COM1

StopBits

sbOneStoopBit

Visible

True

you can optionally use \n , \r or \r+\n

Properties

Links & Referages

Contain Text :

Find

```

DigitalIN1 . Value = ( NumValue . Value ) {LangThen...
DigitalIN2 . Value = ( NumValue . Value ) {LangThen...
NumValue . Value = U . SJustNumber[( SerialPort1 . Value )]
SerialPort1.OnReciveValue -> LangRungBlock1.Run {..
TextValue . Value = U . SJustText[( SerialPort1 . Value )]

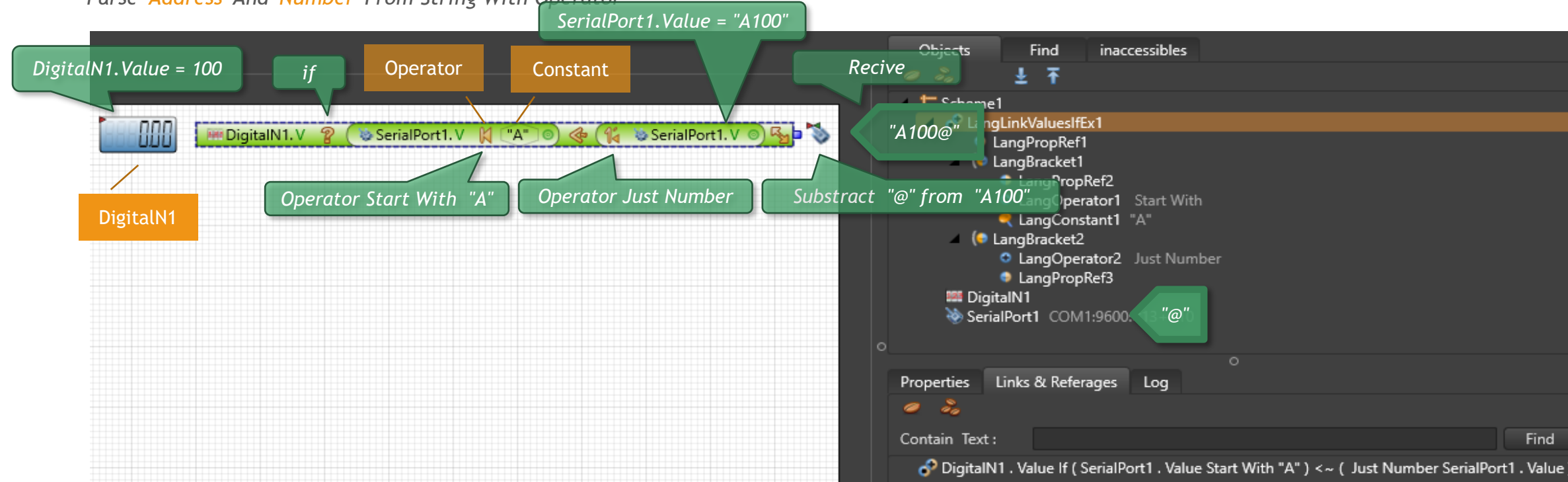
```

## Example

# Read / Write Values Without Protocol

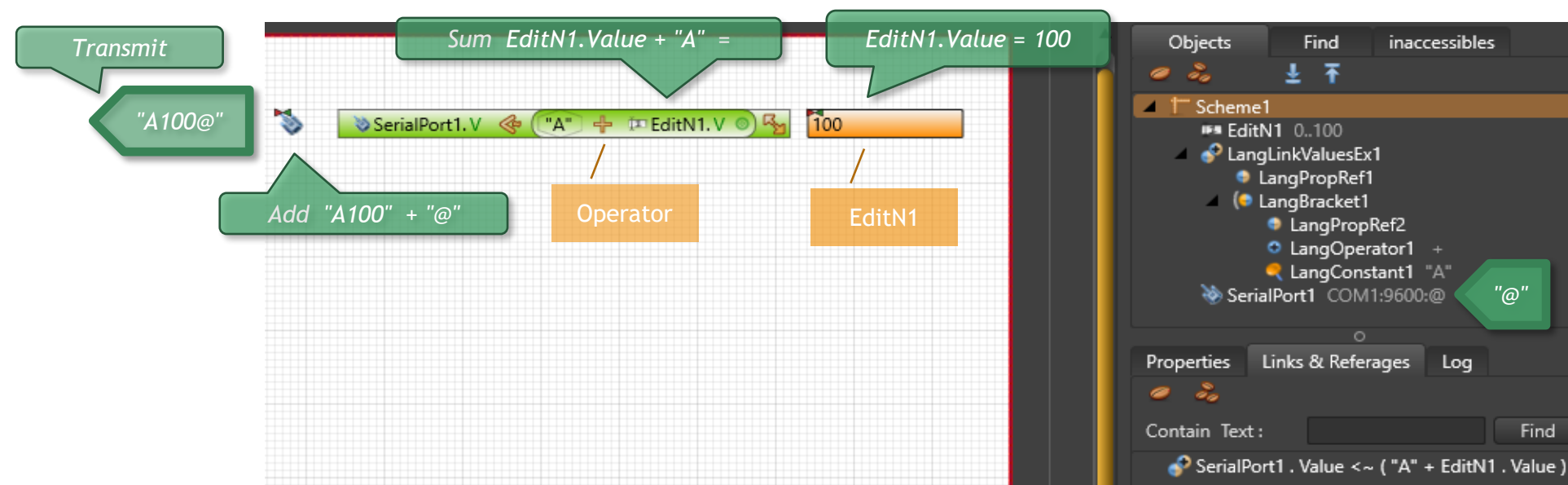
## Read Value From Serial Port :

Parse **Address** And **Number** From String With Operator



## Write Value To Serial Port :

Packaging **Address** + **Number** To String With Operator



Example

*JT*



*RTU*



*LZ*



*Custom*

