

How to print labels with barcode sdk in VB.NET and ByteScout Barcode Suite

Learn to print labels with barcode sdk in VB.NET

The documentation is designed for a specific purpose to help you to apply the features on your side. ByteScout Barcode Suite is the set that includes three different SDK products to generate barcodes, read barcodes and read and write spreadsheets: Barcode SDK, Barcode Reader SDK and Spreadsheet SDK. It can be applied to print labels with barcode sdk using VB.NET.

The SDK samples given below describe how to quickly make your application do print labels with barcode sdk in VB.NET with the help of ByteScout Barcode Suite. Follow the instructions from scratch to work and copy the VB.NET code. Enjoy writing a code with ready-to-use sample codes in VB.NET.

ByteScout Barcode Suite free trial version is available on our website. VB.NET and other programming languages are supported.

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Source Code Files:

Form1.Designer.vb

```

<Global.Microsoft.VisualBasic.CompilerServices.DesignerGenerated()> _
Partial Class Form1
    Inherits System.Windows.Forms.Form

    'Form overrides dispose to clean up the component list.
    <System.Diagnostics.DebuggerNonUserCode()> _
    Protected Overrides Sub Dispose(ByVal disposing As Boolean)
        Try
            If disposing AndAlso components IsNot Nothing Then
                components.Dispose()
            End If
        Finally
            MyBase.Dispose(disposing)
        End Try
    End Sub

    'Required by the Windows Form Designer
    Private components As System.ComponentModel.IContainer

    'NOTE: The following procedure is required by the Windows Form Designer
    'It can be modified using the Windows Form Designer.
    'Do not modify it using the code editor.
    <System.Diagnostics.DebuggerStepThrough()> _
    Private Sub InitializeComponent()
        Dim resources As System.ComponentModel.ComponentResourceManager = New S
        Me.buttonPrint = New System.Windows.Forms.Button()
        Me.PrintPreviewDialog1 = New System.Windows.Forms.PrintPreviewDialog()
        Me.PrintDocument1 = New System.Drawing.Printing.PrintDocument()
        Me.PrintDialog1 = New System.Windows.Forms.PrintDialog()
        Me.SuspendLayout()
        '
        'buttonPrint
        '
        Me.buttonPrint.Location = New System.Drawing.Point(12, 12)
        Me.buttonPrint.Name = "buttonPrint"
        Me.buttonPrint.Size = New System.Drawing.Size(260, 57)
        Me.buttonPrint.TabIndex = 1
        Me.buttonPrint.Text = "Draw And Print Cards"
        Me.buttonPrint.UseVisualStyleBackColor = True
        '
        'PrintPreviewDialog1
        '
        Me.PrintPreviewDialog1.AutoScrollMargin = New System.Drawing.Size(0, 0)
        Me.PrintPreviewDialog1.AutoScrollMinSize = New System.Drawing.Size(0, 0)
        Me.PrintPreviewDialog1.ClientSize = New System.Drawing.Size(400, 300)
        Me.PrintPreviewDialog1.Document = Me.PrintDocument1
        Me.PrintPreviewDialog1.Enabled = True
        Me.PrintPreviewDialog1.Icon = CType(resources.GetObject("PrintPreviewD
        Me.PrintPreviewDialog1.Name = "PrintPreviewDialog1"
        Me.PrintPreviewDialog1.Visible = False
        '
        'PrintDocument1
        '
        '
        'PrintDialog1
        '
        Me.PrintDialog1.Document = Me.PrintDocument1
        Me.PrintDialog1.UseEXDialog = True
    End Sub

```

```

'
'Form1
'
Me.AutoScaleDimensions = New System.Drawing.SizeF(6.0!, 13.0!)
Me.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font
Me.ClientSize = New System.Drawing.Size(284, 149)
Me.Controls.Add(Me.buttonPrint)
Me.Name = "Form1"
Me.Text = "Form1"
Me.ResumeLayout(False)

End Sub
Private WithEvents buttonPrint As System.Windows.Forms.Button
Friend WithEvents PrintPreviewDialog1 As System.Windows.Forms.PrintPreviewDialog
Friend WithEvents PrintDocument1 As System.Drawing.Printing.PrintDocument
Friend WithEvents PrintDialog1 As System.Windows.Forms.PrintDialog

End Class

```

Form1.vb

```

Imports System.Drawing.Drawing2D
Imports Bytescout.BarCode

Public Class Form1

    Dim PaperSize As SizeF = New SizeF(5.5F, 8.75F) ' 5.5 x 8.75 inches
    Const PrintingResolution As Integer = 300 ' 300 dots per inch

    Public Sub New()

        ' This call is required by the designer.
        InitializeComponent()

        ' Make the print preview dialog larger by default
        PrintPreviewDialog1.MinimumSize = New Size(800, 600)

    End Sub

    Private Sub buttonPrint_Click(sender As Object, e As EventArgs) Handles buttonPrint.Click

        ' Show print setup dialog, then print preview
        If PrintDialog1.ShowDialog() = DialogResult.OK Then
            PrintPreviewDialog1.ShowDialog()
        End If

    End Sub

    Private Sub PrintDocument1_PrintPage(sender As Object, e As Printing.PrintPageEventArgs) Handles PrintDocument1.PrintPage

```

```
' Draw page on the printer device context
Dim pageBitmap = DrawPage()
e.Graphics.DrawImage(pageBitmap, 0, 0)
```

End Sub

```
' Draw cards on a bitmap of custom size
Private Function DrawPage() As Bitmap
```

```
    Dim cardSize As SizeF = New SizeF(PaperSize.Width / 4, PaperSize.Height / 4)
```

```
    ' Prepare constant and variable labels
```

```
    Dim strBrand = "CJ SHOES"
```

```
    Dim strModel = "ARTHUR-1N"
```

```
    Dim strColor = "BLK"
```

```
    Dim shoeSizeStart As Single = 5.5F
```

```
    Dim shoeSizeStep As Single = 0.5F
```

```
    Dim barcodeStartValue As Long = 4611030000
```

```
    Dim barcodeValueStep As Integer = 1
```

```
    ' Prepare fonts
```

```
    Dim font1 = New Font("Arial", 0.12F, GraphicsUnit.Inch)
```

```
    Dim font2 = New Font("Arial", 0.1F, GraphicsUnit.Inch)
```

```
    Dim font3 = New Font("Arial", 0.09F, GraphicsUnit.Inch)
```

```
    Dim font4 = New Font("Arial", 0.15F, GraphicsUnit.Inch)
```

```
    ' Prepare barcode generator
```

```
    Dim barcode = New Barcode("demo", "demo")
```

```
    barcode.Symbology = SymbologyType.I2of5
```

```
    barcode.NarrowBarWidth = 2
```

```
    barcode.DrawCaption = False
```

```
    Dim cardIndex = 0
```

```
    ' Create bitmap for the page
```

```
    Dim pageBitmap = New Bitmap(CType((PaperSize.Width * PrintingResolution), Integer),
    pageBitmap.SetResolution(PrintingResolution, PrintingResolution))
```

```
    Using pageCanvas As Graphics = Graphics.FromImage(pageBitmap)
```

```
        pageCanvas.InterpolationMode = InterpolationMode.HighQualityBicubic
```

```
        pageCanvas.CompositingQuality = CompositingQuality.HighQuality
```

```
        ' Setup page units to inches
```

```
        pageCanvas.PageUnit = GraphicsUnit.Inch
```

```
        ' Fill background with white color
```

```
        pageCanvas.Clear(Color.White)
```

```
        ' Draw cards
```

```
        For row As Integer = 0 To 3
```

```
            For column As Integer = 0 To 3
```

```
                ' Create bitmap for card
```

```
                Dim cardBitmap = New Bitmap(CType(cardSize.Width, Integer),
                cardBitmap.SetResolution(PrintingResolution, PrintingResolution))
```

```
                Using cardCanvas As Graphics = Graphics.FromImage(cardBitmap)
```

```
                    ' Setup page units to inches
```

```
                    cardCanvas.PageUnit = GraphicsUnit.Inch
```

```

' Setup drawing quality
cardCanvas.SmoothingMode = SmoothingMode
cardCanvas.InterpolationMode = InterpolationMode
cardCanvas.CompositingQuality = CompositingQuality

Dim stringFormat = New StringFormat()
stringFormat.Alignment = StringAlignment

' Draw static labels
cardCanvas.DrawString(strBrand, font1,
cardCanvas.DrawString(strModel, font2,
cardCanvas.DrawString(strColor, font1,

' Generate barcode image
barcode.Value = (barcodeStartValue + cardIndex)
barcode.PreserveMinReadableSize = False
barcode.ResolutionX = PrintingResolution
barcode.ResolutionY = PrintingResolution
barcode.FitInto(cardSize.Width, 0.5F, 0.5F, cardSize.Height)
Dim barcodeImage = barcode.GetImage()
' Draw barcode
cardCanvas.DrawImage(barcodeImage, 0, 0)
' Draw barcode label
cardCanvas.DrawString(barcode.Value, font1,

' Draw shoe size label
cardCanvas.DrawString((shoeSizeStart + cardIndex)
cardSize.Width / 2, 1.7F, stringFormat)

```

```
End Using
```

```
' Draw card on the page
pageCanvas.DrawImage(cardBitmap, column * cardSize.Width, cardIndex * cardSize.Height)
```

```
cardIndex = cardIndex + 1
```

```
Next
```

```
Next
```

```
End Using
```

```
Return pageBitmap
```

```
End Function
```

```
End Class
```

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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