

# Function Block



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0.15€ TTC/mn

Reference	WebServer_NJ_NX
Revision	3.2
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Date	24/03/2020
+ Support	<a href="https://support-omron.fr/">https://support-omron.fr/</a>

## WebServer for NJ NX (Ethernet built-in)

Function	Allow to read/write up to 100 user data DINT, Real, Bool or String in a Web browser and display custom html page stored in the SD card
File	<a href="#">WebServer_NJ_NX.zip</a>
Available Controller	NJ1, NJ3, NJ5, NX1 and NX7
Symbol	
Principe	<p>The function Block WebServer_NJNX allow to display and modify up to 100 DINT, 100 Reals, 100 boolean and 100 Strings. The access can be limited with a password.</p> <p>A <i>Refresh_Interval</i> can be set. A value of 0 will not refresh the page. Login time could be limited by setting the input <i>Logout_Delay</i> or by setting <i>LogOut</i> input.</p> <p>The <i>disableWrite</i> option will hide write buttons</p> <p>To access to the web page, your proxy should allow port <i>HTML_Port</i>.</p>

html request: IP address:HTML\_Port.  
 Custom html page can be display also and should be stored in the **html** folder of the SD card (see exemple.htm).  
 Binary files(jpg, png) or text files (html,css) are read from the SD and transmitted to the web browser.

Preview

WebServer NJ-NX x

192.168.250.1:81/index

**My NX1P**

Dint REAL BOOL

Password :  Login

Logout

Last refresh time: 2017-01-10-16:56:59

Last refresh time: 2018-09-12-11:08:21

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192.168.250.1:81/dint 192.168.250.1:81/real

**My NX1P** **My NX1P**

Label of DINT value 0: 00000000	Write	Label of REAL value 0: 0.000000e+00	Write
Label of DINT value 1: 00000000	Write	Label of REAL value 1: 0.000000e+00	Write
Label of DINT value 2: 00000000	Write	Label of REAL value 2: 0.000000e+00	Write
Label of DINT value 3: 00000000	Write	Label of REAL value 3: 0.000000e+00	Write
Label of DINT value 4: 00000000	Write	Label of REAL value 4: 0.000000e+00	Write
Label of DINT value 5: 00000000	Write	Label of REAL value 5: 0.000000e+00	Write
Label of DINT value 6: 00000000	Write	Label of REAL value 6: 0.000000e+00	Write
Label of DINT value 7: 00000000	Write	Label of REAL value 7: 0.000000e+00	Write
Label of DINT value 8: 00000000	Write	Label of REAL value 8: 0.000000e+00	Write
Label of DINT value 9: 00000000	Write	Label of REAL value 9: 0.000000e+00	Write

Last refresh time: 2018-09-11-11:40:14

Last refresh time: 2018-09-11-11:39:14

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To display variables, specify one of the three requests bellow:  
 IP address:HTML\_Port/dint  
 IP address:HTML\_Port/real  
 IP address:HTML\_Port/bool  
 IP address:HTML\_Port/string

Example : 192.168.250.1 :81/bool

← → ↻ 🏠 ⓘ 192.168.250.1:81/bool

### My NX1P

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Label of BOOL value 0 :OFF

Label of BOOL value 1 :OFF

Label of BOOL value 2 :OFF

Label of BOOL value 3 :OFF

Label of BOOL value 4 :OFF

Label of BOOL value 5 :OFF

Label of BOOL value 6 :OFF

Label of BOOL value 7 :OFF

Label of BOOL value 8 :OFF

Label of BOOL value 9 :OFF

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Last refresh time: 2018-09-11-11:40:35

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Buttons can be hidden using *DisableWrite* input

Extension

The Function block WebServer\_NJNX can also read from SD card html, png, jpg or css files in the **html** directory and send file to allow the web browser displaying graphic pages.

← → ↻ 🏠 ⓘ 192.168.250.1:81/Exemple.htm


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## EXEMPLE

Content of the SD card:



- /html/Exemple.htm
- /images/billboard\_sysmac.png
- /Logo\_OMRON.jpg
- /css/exemple.css

## Input/Output Variables

Nom	Type	valeurs	Fonction
MyDint	ARRAY(100)	0 to 99999999	Array of double integer
MyReal	ARRAY(100)	-3,402823e+38 to 3,402823e+38	Array of real number
MyBool	ARRAY(100)	ON-OFF	Array of boolean
MyString	ARRAY(100)		Array of String

## Input variables

Name	Type	Range	Function
Start	BOOL	OFF-ON	ON = allow FB execution
Dint_Size	UINT	1-100	Number of elements to display
Real_Size	UINT	1-100	
Bool_Size	UINT	1-100	
String_Size	UINT	1-100	
Dint_Label	ARRAY(100)	30 characters	Labels to display in front of each element
Real_Label	ARRAY(100)	30 characters	
Bool_Label	ARRAY(100)	30 characters	
String_Label	ARRAY(100)	30 characters	
HTML_Port	UINT	1-65535	Local Port local (80 and 21 non available)
ServerName	STRING(20)	20 characters	Title to be displayed on HTML page
Password	STRING	0-99999999	Password (8 characters required)
Check_Password	BOOL	OFF-ON	Enable Access controlled by password
Refresh_Interval	UINT	0-9999	Refresh time interval (second) 0 : No refresh
DisableWrite	BOOL	OFF-ON	Display the write buttons after elements
Logout_Delay	UINT	0000-9999	Time before logout (in second) if no activity
LogOut	BOOL	OFF-ON	Disconnect the client

## Output variables

Name	Type	Range	Function
Listening	BOOL	OFF-ON	Server listening for client
Error	BOOL	OFF-ON	Error flag
ErrorID	UINT	0000-FFFF	Socket Error ID
Logged	BOOL	OFF-ON	Logged client flag
Last_State	STRING(32)		Last error status