Wi-Fi Network Bridge

Industrial Wi-Fi Network Bridge with remote control and data logger

WBV4A/WBV4B/WBV4C

802.11b/g/n Compliance FCC/CE certified

Enables remote control, programming, and monitoring from any web browser on a PC or mobile device. It incorporates a customizable temperature data logger with storage and visualization, using an intuitive graphical user interface (GUI).

Features

WiFi

- Adds Wi-Fi connectivity to select Yamato oven, muffle furnace, and incubator models
- Accessible from any PC or mobile device that is network connected
- Unique network name based on MAC address or user assigned name
- External high gain antenna (+8dB) for excellent WiFi coverage
- No software applications required on PC or mobile device
- Multi-color LED for Wi-Fi status and other adapter functions

Specifications

Model	WBV4A / WBV4B / WBV4C						
Wi-Fi	802.11b/g/n, 2.4GHz compliant (FCC/CE certified)						
Power	100V-240V AC, from Yamato equipment internal switched AC PDU						
Dimensions	Power module: 55mm x 25mm x25mm Controller module: 40mm x 40mm x 18mm External Antenna: 145mm x 20mm x 15mm						
Indicator light	Wi-Fi, Operation, Communication status						
Firmware	Built-in TCP/IP & UDP, Web server, Websocket server, OTA updates						
Included accesory	Six feet standard micro USB to USB type 'A' cable to interconnect power module to controller module						

Bridge Functions

Model	WBV4A	WBV4B	WBV4C
Wi-Fi setup with access point discovery	•	•	•
Maintenance functions (firmware update, device name, file editor, etc.)	•	•	
Data logger functions (log enable/disable, sample interval, log retrieval (charts), etc.)	•		
Remote control functions (Start/Stop Fixed temperature and Program cycles)	•	•	
Remote program functions (upload/download/edit Programs and Patterns)	•	•	
Status page with real-time temperature chart and equipment information	•	•	•
Direct access to VS4 control/status registers	•	•	

Network Topology



Wi-Fi Bridge supports the following Yamato models:

- * ADP Vacuum Ovens
- * DP Vacuum Ovens
- * DKN Forced Convection Ovens
- * DVS Natural Convection Ovens
- * FO Muffle Furnaces
- * IC Incubators

Web Interface Screens*

Home Page

Wi-Fi Bridge Main Menu

Estar recentrand (HER help)	DKN-547F Temperature Chart					
Friendly name: 301-5421 DCN-5429 Serial number:, 5025678	Sog shile (erryreenist)	(100	z Migs ("ligt)w" "thict"			
First use, 2020-00-20 Thread-Orner Chart, Sender control, Sender control, Josef Logging,		,,,,,,				

Monitor real time status with temperature chart

Remote Opps Root Page Remote Control target temperature Start Fixed Temp Stop Fixed Temp program pattern Start program view program Stop program Oven Messages:





* Illustrations are subject to change and may not be present in all bridge models

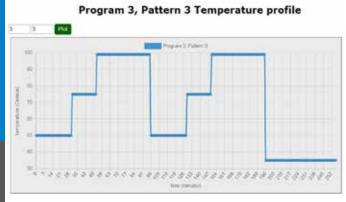
Remote Program Screens*

Program Editor

Choose File No file	chosen		1						U	plaa	1	Creater
edit.htm favicon.ico graphs.js.gz readme.txt config.csv Programs.txt 20200325.txt	4 1 2 3 4 5 6 7 8 9 10 11 12	Progra Lait at Stopi Tempi Timei Retri Repi Last s Stopi Tempi Timei	1 0 1 1	2001	3 0 1 1 1 3 0 0	1 1 4 0 1 1 1 1 1 2 1 4 0 0	50011 0 500	60011 600	7 0 0 1 1 7 0 0	E 0 1 1 8 0	91 01 11 11 91 91 91 91 91 91 91 91 91 91 91	10 0 1 1 1 10 0
20200326.txt 20200327.txt	13 54 15	Retr: Rep:	1	1	1	1	1	1	1[11	1	1
console.htm prgchart.htm remopps.htm index.htm registers.bit Program3.txt	16 17 18 19 20 21 22 23	Last s Step: Temp: Time: Retr: Rep:	tep ; 1 50 30 1 1	2 75 20 1	31 991 451 11 7	4 35 60 1 1	5 0 1 1	6) Ø] Ø] 1] 1]	7] 0] 0] 1] 1]	81 0] 0] 1] 1]	9 0 1 1	10 01 01 11

Design a program from any PC or mobile device

Program Temperature Profile Visualizer



Visualize real time all steps of the program

Log File Sample

Choose File No file	chosen	/	Upload	Create
edit.htm	f 1	00:00:19, 21 C,		
edit.htm	2	00:02:19, 21 C,		
favicon.ico	3	00:04:19, 21 C,		
araphs.js.gz	4	00:06:19, 21 C,		
	5	00:00:20, 21 C,		
readme.txt	6	00:10:20, 21 C,		
config.csv	1	00:12:20, 21 C,		
Program1.txt	8 9	00:14:20, 21 C, 00:16:20, 21 C,		
	10	00:18:21, 21 C,		
20200324.txt	11	00:20:22, 21 C,		
20200325.txt	12	00:22:22, 21 C,		
20200326.txt	13	00:24:22, 21 C,		
	14	00:26:22, 21 C,		
20200327.txt	15	00:28:23, 21 C,		
console.htm	16	00:30:23, 21 C,		
prochart.htm	17	00:32:23, 21 C,		
and the state of t	18	00:34:23, 21 C,		
index.htm	19	00:35:24, 21 C,		
registers.txt	20	00:38:24, 21 C,		
	21	00:40:24, 21 C,		

Generate a data log downloadable file