# Wi-Fi Network Bridge

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

## WBV4A/WBV4B/WBV4C

| WiFi | 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

● 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<br>Controller module: 40mm x 40mm x 18mm<br>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
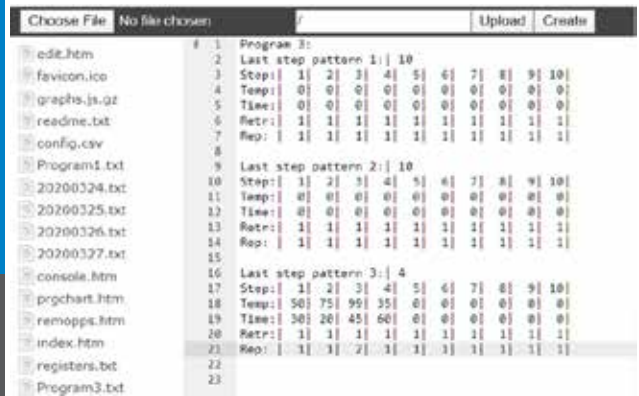* IC Incubators

## ■ Web Interface Screens*

### *Home Page*

#### Wi-Fi Bridge Main Menu
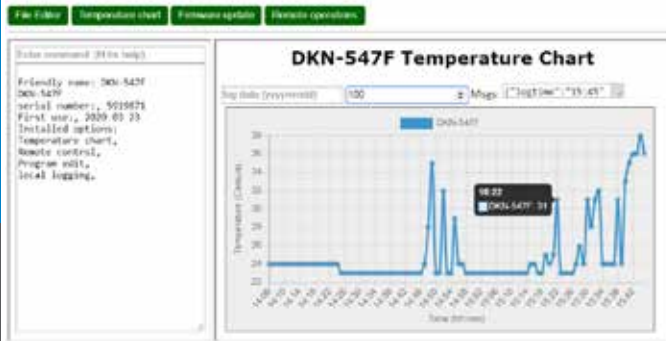


*Monitor real time status with temperature chart*

### *Remote Opps Root Page*

#### Remote Control
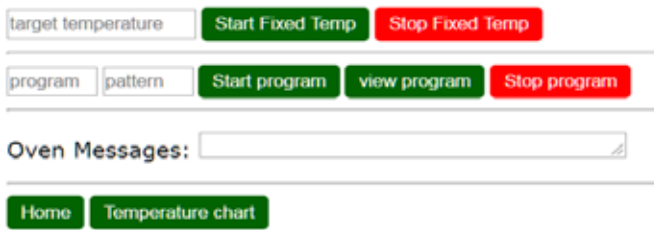


*Select remote control function*

### *Wi-Fi Manager*

#### New __ Bridge



*Configure Wi-Fi with simple easy steps*

## ■ Remote Program Screens*

### *Program Editor*



*Design a program from any PC or mobile device*

### *Program Temperature Profile Visualizer*
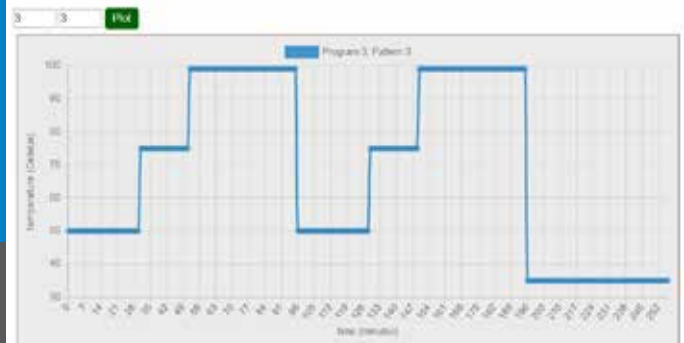


*Visualize real time all steps of the program*

### *Log File Sample*
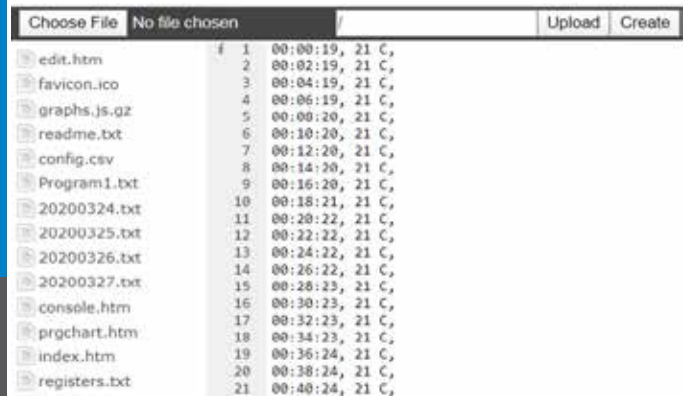


*Generate a data log downloadable file*

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