Panasonic
BUSINESS

Integrated Welding Network Box
iWNB

NEW **iWNB** integrated Welding Network Box

Visualization by IoT enables improved productivity and quality and enhanced traceability.
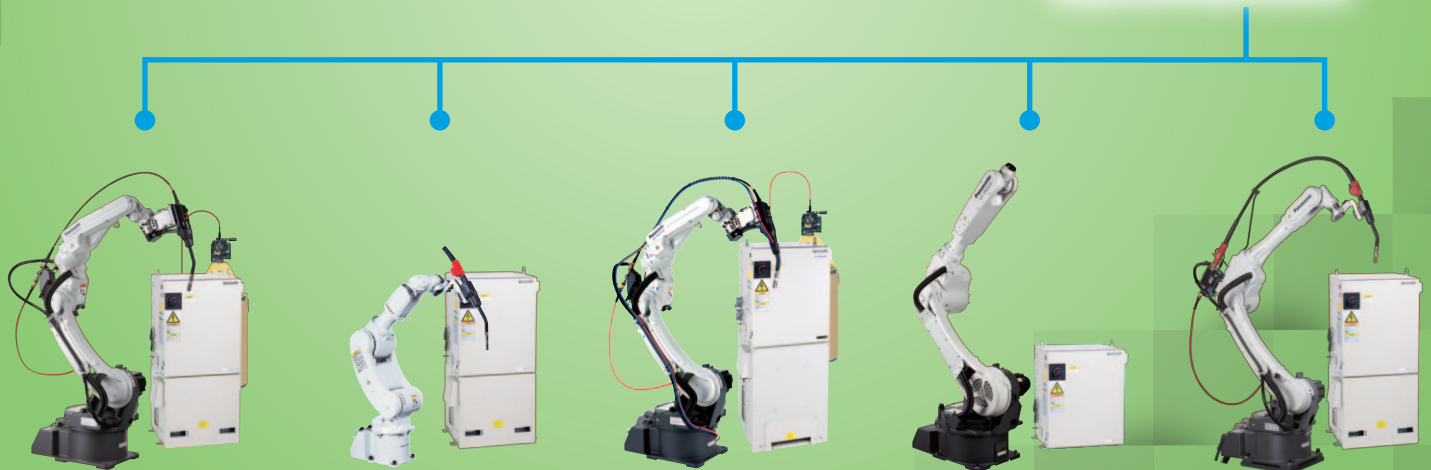
- Management index
- Traceability
- Maintenance
- Production information
- Error history
- Operation information

iWNB
Integrated Welding Network Box
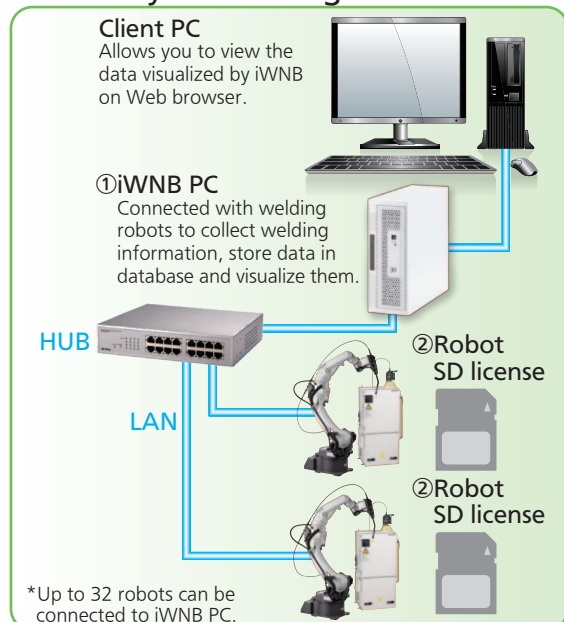
*Up to 32 robots can be connected to iWNB PC.

Productivity improvement > Availability and cycle time analysis function
Support improvement of availability by visualizing error status

Quality improvement & Traceability enhancement > Accumulation and retrieval of work information and welding data
Improvement of reliability by establishing traceability

■Entire system configuration

Client PC
Allows you to view the data visualized by iWNB on Web browser.

①iWNB PC
Connected with welding robots to collect welding information, store data in database and visualize them.

HUB

LAN

②Robot SD license

②Robot SD license

*Up to 32 robots can be connected to iWNB PC.

■iWNB includes:

Item	Model	Included items	Details
①iWNB	YY-NWBST1 A set of iWNB PC and iWNB software	iWNB PC	OS: Linux CPU: Xeon Memory: 32 GB SSD: 512 GB
		iWNB software (Preinstalled on iWNB PC)	・Database ・Collector ・6 visualization functions
		USB license key	For license authentication
		OSS license CD	
		Operating instructions	
②Robot license	YA-1UPXD1T01	Production management function Robot SD	One license is required per robot
	YA-1TPWY2	Welding data management Robot SD	One license is required per TAWERS ・Welding data log output 　(Average value) ・Weld waveform output ・Weld monitor Use the above three functions

* Installation requires separate quotation.
　It is necessary to upgrade the robot software to version 31.00 or higher.

■About functions and robot SD licenses

No.	Category	Item	Robot SD license YA-1UPXD1T01 [Production management function]	Robot SD license YA-1TPWY2 [Welding data management]
1	Management index	KPI	Necessary	Unnecessary
2		OEE		
3	Operation information	Operation status		
4		Actual operation		
5	Production information	Production status		
6		Production results		
7		Cycle time		
8		Cost performance		Necessary
9		Production plan		Unnecessary
10	Traceability	List of welding result		Necessary
11	Error history	Error list		Unnecessary
12		Temporary stop ranking		
13		Long-term stop ranking		
14	Maintenance	Load rate		
15		Feed motor current		Necessary
16		Tip replacement		

* Using already purchased robot SD license is available.

■Restrictions

Applicable models	①WGⅢ/WGHⅢ ②GⅢ * External power source: Only "operation information" is obtainable but "Welding information" is not. LAPRISS: Only "operation information" is obtainable but "laser information" is not.
Excluded models	①GⅡ controller, ② TIG robot, ③ Third-party robots, ④Robot harmonious function
Other conditions	①It is not possible to use the Production management function. ②For the use together with the "Robot data access" function, please contact us.

■Customer preparation items

Item	Contents	Details
Power cable	For iWNB PC	For details, please contact us.
Network device	LAN cable	Use CAT5e or higher grade. In environments that suffer from heavy electromagnetic interference, use CAT6A or higher-grade cable, or STP (Shielded Twist Pair) cable with noise canceling capabilities. Note: Cable types: •Select straight cable when using a network hub. •Select crossover cable when connecting robots directly. 　　* Depending on the hub or PC in use, communication may be enabled regardless of the cable type.
	HUB	•Use a network hub that supports 1000BASE-T or faster. •For connection method, refer to the manual provided with the network hub.
Client PC		Supported OS: Windows 10 32-bit version / 64-bit version Web browser: Internet Explorer 11 Monitor resolution: 1920 × 1200 or higher
IP address		A number identical to that of the robots.
Network environment		Communication environment capable of Ping communication (For details, please contact us.)
Dust-proof rack		To be provided as necessary. Recommendation: A dust-proof of SDS Co., LTD. ①For 10 to 30℃ environment: E66H (Heat exchanger type) ②For 10 to 40℃ environment: E66C-01 (Cooler type)

＊For network environment, although wireless LAN is we recommend wired LAN in terms of influence of noise generated during welding.

■About personal information Information Security and Personal Information Protection

● Take appropriate action to prevent security risks such as outflow of personal information via this product.
● Change your login password periodically to prevent unauthorized operation of the equipment.
● Easy-to-guess passwords may be figured out by third parties. Set a hard-to-guess password and keep it strictly confidential to prevent leaks to third parties.
● Do not use the same password that you use on other systems or services.
● When entering your password, take care so that third parties may not steal glances at it.
● Take appropriate measures to avoid safety risks and to prevent third parties from illegally using the product, interfering or stopping the use of it.
● Secure the equipment and devices of this product firmly so that they may not be moved or relocated easily.
● Use keys, locks or other means to restrict physical access to the location of the equipment.
● Handle personal information in accordance with national laws and regulations.

⚠ **Safety precautions** ● Before attempting to use any welding product, always read the manual to ensure correct use.

● Specifications are subject to change without notice.
● Windows is a registered trademark of Microsoft Corporation in the United States and other countries.