

Specifications

PC Specifications

- **PC:** PC verified for running Japanese MS Windows NT 4.0, containing an Intel Pentium processor with a clock speed of 200 MHz or higher.
- **RAM:** At least 64 MB (at least 128 MB recommended if 300 or more channels are connected)
- **Hard drive:** At least 500 MB free hard drive space when installing the software. The program requires approximately 150 MB of free disk space when running.
- **Floppy drive:** Floppy drive compatible with MS-DOS 1.44 MB format
- **CD-ROM drive:** CD-ROM drive compatible with MS-Windows NT 4.0
- **Mouse:** Mouse compatible with MS-Windows NT 4.0
- **Display:** Display compatible with MS-Windows NT 4.0; minimum 1024×768 resolution and 32 768 colors (65 536 colors recommended)
- **Communication interfaces**
 - RS-232-C: Internal COM port
 - RS-422-A: Internal COM port using RS-232-C/RS-422-A adapter (multi-drop connection not available)
 - Ethernet: Ethernet card compatible with Windows (TCP/IP must be installed)
- **Operating system:** MS-Windows NT 4.0
- **Printer:** Printer compatible with MS-Windows NT 4.0

Operating requirements

- **Connections**
 - Connected models: DA100, DC100, DR130, DR230, DR240
 - Maximum connected units: 3 through Ethernet, one through serial connection (RS-232-C or RS-422-A)
 - Maximum connected channels (inputs): Five options: 40, 120, 300, 600, 900 (only measurement channels supported)
- **Communications**
 - Communication types: 40, 120, and 300-channel versions available with RS-232-C and RS-422-A connections (not compatible with multi-drop or two-wire connection)
40, 120, 300, 600, and 900-channel versions available with Ethernet connection

InTouch for DARWIN 2000 function specifications

- **Data I/O functions**
 - Input types: DC voltage, thermocouples, RTDs, contacts, mA, pulse
 - Output types: Contacts (only supported with DA100 in Ethernet setup)
- **Data updating intervals**
 - RS-232-C, RS-422-A: Maximum speed 0.5 seconds (the data updating interval varies depending on the performance of the PC being used)
 - Ethernet: Maximum speed 0.5 seconds for 300 or fewer connected channels (the data updating interval varies depending on the performance of the PC being used)
 - Maximum speed 1 second for 301 or more connected channels (the data updating varies depending on the performance of the PC being used)
- **Builder function :** This function is used to specify the hardware-related operating environment for connecting PCs and DARWIN data acquisition units. Main settings include communication type and system configuration parameters.
Set information: Sets parameters for individual channels (measurement mode, measurement range, span, scale, tag number, tag comments, alarm setting, moving average setting, etc.).
Printer function: Prints out of various information set with builder function.
- **Group settings:** Channels per group: 4, 8, or 16
Individual group names can be set for individual group channels.
- **Operation monitoring function:**
 - Group overview, channel overview, instrument faceplate groups, real-time trends, historical trends, alarm history, hardware statuses, system configuration, file management, etc.

Report package function specifications

- This package provides the following functions when used together with InTouch for DARWIN 2000.
- **Report functions:** Collect data relating to tags set based on acquired data definitions and print daily reports and monthly reports. Daily reports are automatically printed every midnight; monthly reports, at midnight on the last day of the month.

- **Acquired tags:** Maximum 250
- **Acquisition data definitions**
 - Type selection: PV or analog totalizing
 - Editing selection: When PV is selected: average, maximum PV, minimum PV
When analog totalizing is selected: totalizing unit (minute/hour/day), average, maximum totalized value, minimum totalized value, maximum count
- **Daily reports**
 - Number of pages: Maximum 12 tags per page, maximum 30 pages
 - Printed information: Title, tag numbers, tag comments, engineering units, PV (totalized value) each day at noon, settings specified under acquisition settings
- **Monthly reports**
 - Number of pages: Maximum 12 tags per page, maximum 30 pages
 - Printed information: Title, tag numbers, tag comments, engineering units, PV at midnight (totalized value), settings specified under acquisition settings
- **Report correction/selective printing function**

InTouch for DARWIN 2000 server software

- Server: PC acquiring data from DARWIN systems
- Support functions: InTouch for DARWIN 2000 function specifications and report package function specifications

InTouch for DARWIN 2000 client software

- Client: Client PCs receiving data via server PC
- Maximum number of clients: 3 per server
- Support functions: InTouch for DARWIN 2000 function specifications (excluding builder function)

InTouch for DARWIN 2000 process data logging software package

Name	Model	Suffix Code	Specification		
InTouch for DARWIN 2000 Server Software Release 1 (R1) *1	DP810		InTouch for DARWIN 2000 Server Software		
		-1	40-channel model		
		-2	120-channel model		
		-3	300-channel model		
		-4	600-channel model		
		-5	900-channel model		
		1 J E	Operable under Windows NT 4.0 Japanese English		
InTouch for DARWIN 2000 Client Software Release (R1) *1	DP811		InTouch for DARWIN 2000 Client Software Release 1		
		-3	300-channel model		
		-4	600-channel model		
		-5	900-channel model		
		1 J E	Operable under Windows NT 4.0 Japanese English		
		InTouch for DARWIN 2000 Report Package Release (R1) *2	DP820		InTouch for DARWIN 2000 Report Package
				-J	Japanese
-E	English				

*1: As many as three clients can be specified for a single server software package. The number of connected channels specified for the client software must be the same as the number specified for the server software.

*2: The report package only works on a PC system in which the InTouch for DARWIN 2000 server software has been installed. It does not run as standalone software. The report package supports 250 channels.

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