XGT Panel's Special Device

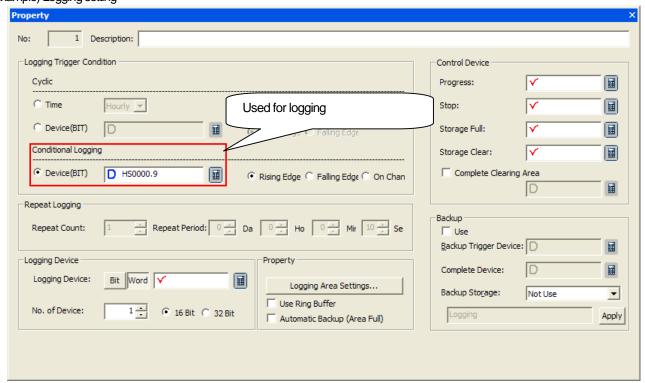
XGT Panel supports diverse special device.

1. Bit device.

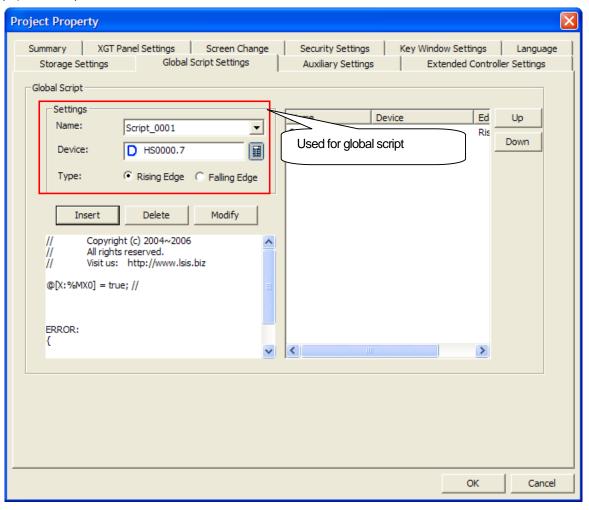
Device address	Property	Function	Property and description	
HS0000.0	Read	Always On	Always keep 1	
HS0000.1	Read	Always Off	Always keep 0	
HS0000.2	Read	Caps Lock status	0: small letter 1: capital letter	
HS0000.3~5	Prohibition	rohibition		
HS0000.6	Read	200ms cycle On/Off timer	200ms '0' → 200ms '1' → 200ms '0' repeated	
HS0000.7	Read	1s cycle On/Off timer	1s '0' → 1s '1' → 1s '0' repeated	
HS0000.8	Read	2s cycle On/Off timer	2s '0' → 2s '1' → 2s '0' repeated	
HS0000.9	Read	5s cycle On/Off timer	5s '0' → 5s '1' → 5s '0' repeated	
HS0000.A	Read	10s cycle On/Off timer	10s '0' → 10s '1' → 10s '0' repeated	
HS0000.B	Read	30s cycle On/Off timer	30s '0' → 30s '1' → 30s '0' repeated	
HS0000.C	Read	60s cycle On/Off timer	60s '0' → 60s '1' → 60s '0' repeated	
HS0000.D~F	Prohibition	-	-	

Above bit device is used for cycle function. Especially, used for logging, recipe, script.

(Example) Logging setting



(Example) Global script

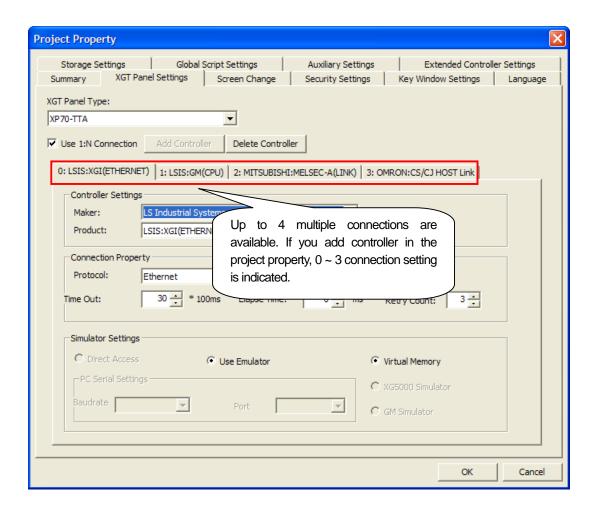


2. Word device

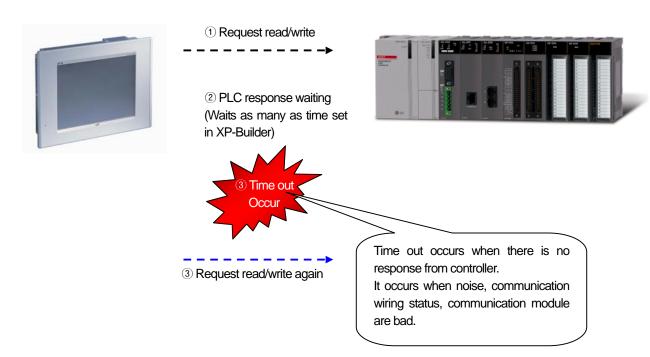
Device address	Property	Function	Property and description	
HS0001	Read	XGT Panel S/W version information (Upper)	In case of V1.04, '1' is indicated	
HS0002	Read	XGT Panel S/W version information (Lower)	In case of V1.04, '4' is indicated	
HS0003	Prohibition	-	-	
HS0004	Read	Date information (year)	In case of 2007, '2007' is indicated	
HS0005	Read	Date information (month)	In case of 12, '12' is indicated (range of 1~12)	
HS0006	Read	Date information (day)	In case of 4, '4' is indicated (range of 1~31)	
HS0007	Read	Clock information (hour)	In case of AM11, '11' is indicated (range of 0~23)	
HS0008	Read	Clock information (minute)	In case of 25, '25' is indicated (range of 0~59)	
HS0009	Read	Clock information (second)	In case of 55, '55' is indicated (range of 0~59)	
HS0010	Read	Current basic screen number	Basic screen number set in XP-Builder (range of 1~4095) Screen 1 Base Screen 2 Base Screen 3 Base Screen 4 Base Screen 4 Base Screen	
HS0011	Read	Current global window 1 screen number	Screen number set as global window 1 (range of 0~4090) Initial Screen No.: Screen Change by Device V Use Change device Device: Window 1 Device: D HW0000 HW0000	
HS0012	Read	Current global window 2 screen number	Screen number set as global window 2 (range of 0~4090) Initial Screen No.: 1 Browse Screen Change by Device Use Change device Base Window Device: HW0000 Window 1 Device: HW0000 Window 2 Device: HW00001	
HS0013	Read	Current security level	Currently activated security level (range of 0~9)	
HS0014	Read	Always '0'	Always indicates 0	
HS0015	Read	500ms counter	Increased as 1 per each 500ms (range of 0~65535)	
HS0016	Read	1s counter	Increased as 1 per each 1s (range of 0~65535)	
HS0017	Read	2s counter	Increased as 1 per each 2s (range of 0~65535)	
HS0018	Read	5s counter	Increased as 1 per each 5s (range of 0~65535)	
HS0019	Read	10s counter	Increased as 1 per each 10s (range of 0~65535)	

3. Device related with communication

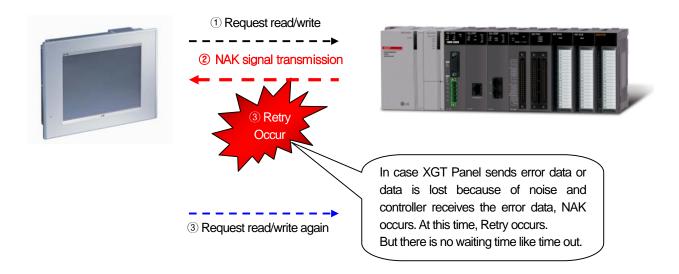
Device address	Property	Function	Property and description	
HS800	Read	Connection 0 transmission no. (32 bit)	Data transmission no. with controller connected 0	
HS802	Read	Connection 0 receipt no. (32bit)	Data receipt no. with controller connected 0	
HS804	Read	Connection 0 error no. (32bit)	Data error no. with controller connected 1	
HS820	Read	Connection 1 transmission no. (32 bit)	Data transmission no. with controller connected 1	
HS822	Read	Connection 1 receipt no. (32 bit)	Data receipt no. with controller connected 1	
HS824	Read	Connection 1 error no. (32 bit)	Data error no. with controller connected 1	
HS840	Read	Connection 2 transmission no. (32bit)	Data transmission no. with controller connected 2	
HS842	Read	Connection 2 receipt no. (32 bit)	Data receipt no. with controller connected 2	
HS844	Read	Connection 2 error no. (32 bit)	Data error no. with controller connected 2	
HS860	Read	Connection 3 transmission no. (32 bit)	Data transmission no. with controller connected 3	
HS862	Read	Connection 3 receipt no. (32 bit)	Data receipt no. with controller connected 3	
HS864	Read	Connection 3 error no. (32 bit)	Data error no. with controller connected 3	
HS0910	Read	Connection 0 comm. Scan time	Comm. Scan time connected 0	
HS0911	Read	Connection 1 comm. Scan time	Comm. Scan time connected 1	
HS0912	Read	Connection 2 comm. Scan time	Comm. Scan time connected 2	
HS0913	Read	Connection 3 comm. Scan time	Comm. Scan time connected 3	
HS0970.0	Bit read	Connection 0 comm. Time out	'1' in case of occurring communication time out	
HS0970.1	Bit read	Connection 0 comm. NAK signal	'1' in case of occurring NAK signal at controller connected 0	
HS0971	Read	Connection 0 time out no.	Time out no. occurred at 0	
HS0972	Read	Connection 0 max. Retry no.	Max Retry no. occurred at o continuously	
HS0973	Read	Connection 0 Retry no.	Retry no. occurred at 0	
HS0974	Read	Connection 0 max. timeout no.	Max time out no. occurred at 0 continuously	
HS0975.0	Bit read	Connection 1 comm. time out	'1' in case of occurring communication time out at 1	
HS0975.1	Bit read	Connection 1 comm. NAK signal	'1' in case of occurring NAK signal at controller connected 1	
HS0976	Read	Connection 1 time out no.	Time out no. occurred at 1	
HS0977	Read	Connection 1 max. Retry no.	Max Retry no. occurred at 1 continuously	
HS0978	Read	Connection 1 Retry no.	Retry no. occurred at 1	
HS0979	Read	Connection 1 max time out no.	Max time out no. occurred at 1 continuously	
HS0980.0	Bit read	Connection 2 comm. Time out	'1' in case of occurring communication time out at 2	
HS0980.1	Bit read	Connection 2 comm. NAK signal	'1' in case of occurring NAK signal at controller connected 2	
HS0981	Read	Connection 2 time out no.	Time out no. occurred at 2	
HS0982	Read	Connection 2 max Retry no.	Max Retry no. occurred at 2 continuously	
HS0983	Read	Connection 2 Retry no.	Retry no. occurred at 2	
HS0984	Read	Connection 2 max time out no.	Max. time out no. occurred at 2 continuously	
HS0985.0	Bit read	Connection 3 comm. Time out	'1' in case of occurring time out at 3	
HS0985.1	Bit read	Connection 3 comm. NAK signal	'1' in case of occurring NAK signal at controller connected 3	
HS0986	Read	Connection 3 time out no.	Time out no. occurred at 3	
HS0987	Read	Connection3 max. Retry no.	Max. Retry no. occurred at 3 continuously	
HS0988	Read	Connection 3 Retry no.	Retry no. occurred at 3	
HS0989	Read	Connection 3 max. time out no.	Max time out no. occurred at 3 continuouly	
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(Term description#1) time out



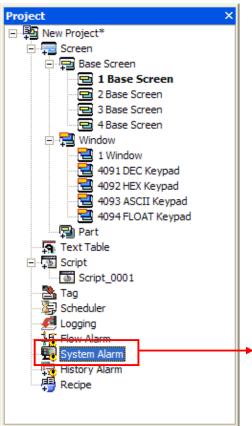
(Term decsription#2) Retry



4. System alarm device

Device address	Property	Function	Property and description
HS0950.0	Read	Battery low voltage warning	0: Normal 1: Warning occur
HS0950.1	Read	NVRAM data error	0: Normal 1: Error occur
HS0950.2~7	Prohibition	•	-
HS0950.8	Read	USB over current warning	0: Normal 1: Warning occur
HS0950.9~F	Prohibition	-	-
HS0951.0	Read	No logging back up device	0: Normal 1: No device
HS0951.1	Read	No recipe back up device	0: Normal 1: No device
HS0951.2	Read	No screen back up device	0: Normal 1: No device
HS0951.3	Read	No alarm back up device	0: Normal 1: No device
HS0951.4	Read	No printer connected	0: Normal 1: not connected
HS0951.5~F	Prohibition	-	-

(System alarm): by using system alarm function, you can monitor the above device.



		Device	Data Type	Description
	1	HS950.0	BIT	NVRAM Low Battery Warning
	2	HS950.1	BIT	NVRAM Invalid Data Warning
1	3	HS951.0	BIT	No Logging Backup Storage
	4	HS951.1	BIT	No Recipe Backup Storage
	5	HS951.2	BIT	No Screen Backup Storage
	6	HS951.4	BIT	No Printer
	7	HS950.8	BIT	USB Over Current Warning

To use system alarm, if you select Menu-> Common -> Project Property Setting -> Auxiliary Settings, the following setting window shows. If you check the system alarm window check box, system alarm occurs during XGT Panel operation.

