

motionCAT *series*

 株式会社 **ハイバーテック**
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Microsoft Microsoft Corporation

Windows Windows 98 Windows NT 4.0 Windows 2000 Windows XP Windows Vista Windows 7 Microsoft Corporation

Visual Studio Visual Basic Visual C# Visual C++ Microsoft Corporation

.NET Framework Microsoft Corporation

1-8-11

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1 30 2010 6 23

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1.

1.1

1

3

2

2

1.2

1

2

A A

3

4

1.3

NC

1.3.1

1.3.2 Bus

HPCI-MCAT520M	PCI Local Bus Specification Rev 2 2
	PCI Local Bus Specification Rev 2 2
HCPCI-MNT720M	CompactPCI Specification Revision 2 1
	CompactPCI Specification Revision 2 1
HPC104-MCAT110M	PC/104 Bus Ver2 5
	PC/104 Bus Ver2 5
HM-GU00T	Universal Serial Bus 2 0 High Speed
USB2 0	USB1 1

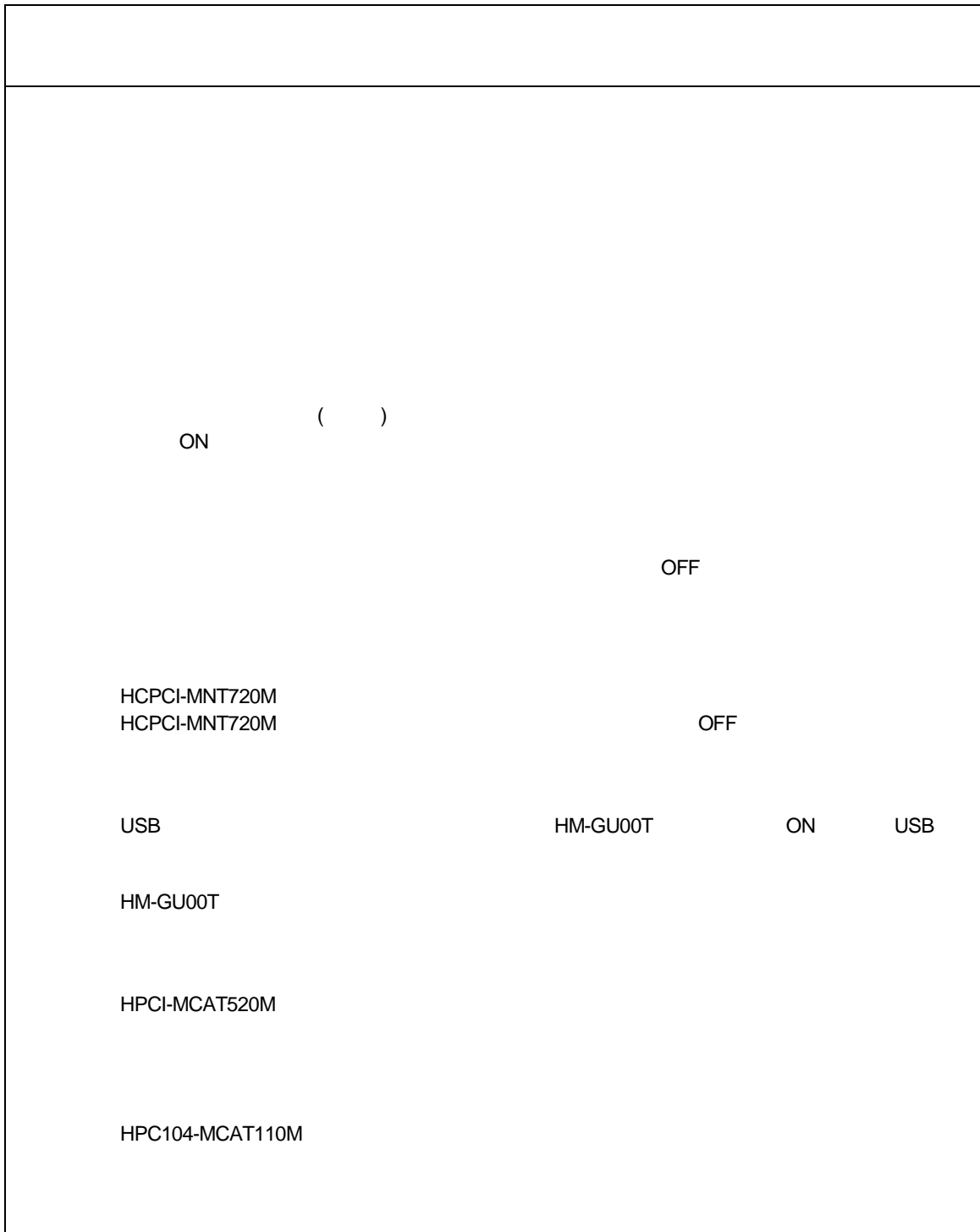
1.3.3

'	0	+50		
'	20%RH	85%RH()
'	-15	+75		
'	10%RH	90%RH()
'				
'		3000m	(300m	2)

1.3.4

Motionnet				
	LAN	CAT5e		
		60		
			50	
1		32		33
1				
	ID	ID		

1.3.5



1.3.6

OFF
A

1.3.7

1.3.8

1.4

motionCAT
' motionCAT
' motionCAT
,

1.4.1 motionCAT

(1)
(2)
(3) motionCAT
(4)
(5)
(6)
(7)
(8)
(9)
(1) (3),(7),(8) motionCAT
(4) (6),(9)

1.4.2 motionCAT

motionCAT
(1)
(2)
(3)

1.4.3

(1)
(2)
(3)
(4)
(5)
(6)

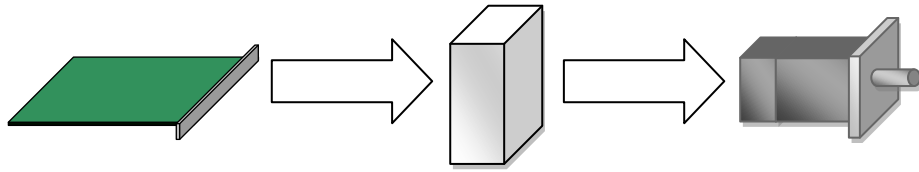
1.5

motionCAT Windows
(1) Windows
(2)
(3) Microsoft Visual Studio

2.

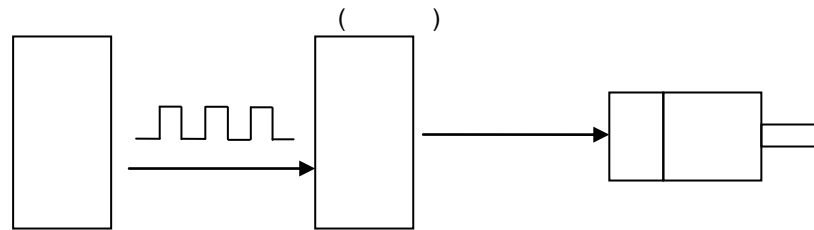
2.1

2.1.1

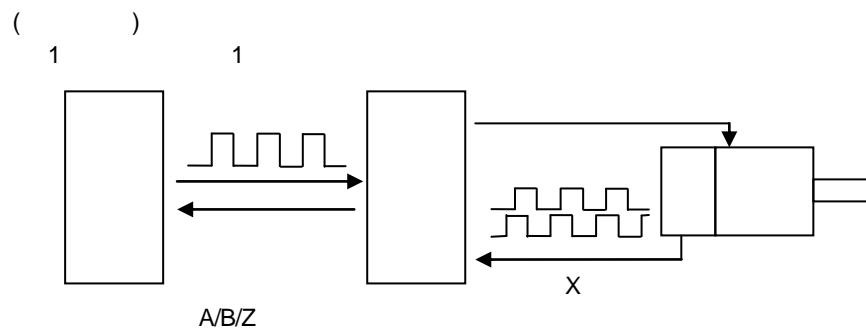


2.1.2

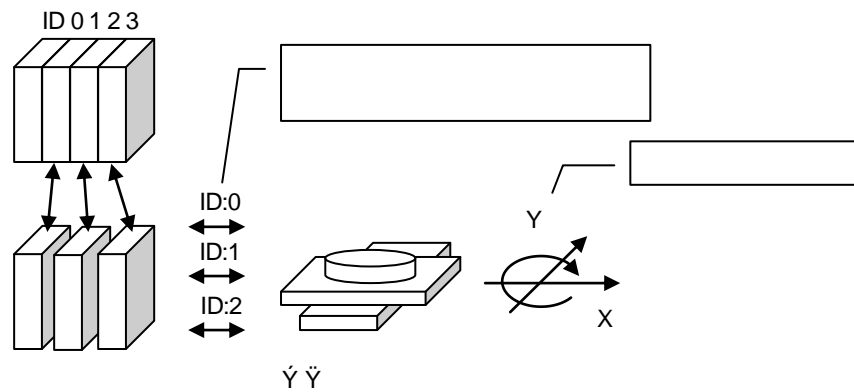
1. ()



2.



2.1.3

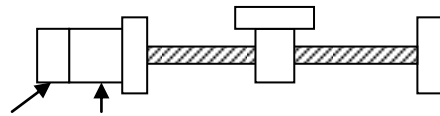


2.1.4



(pulse
(pps)

1

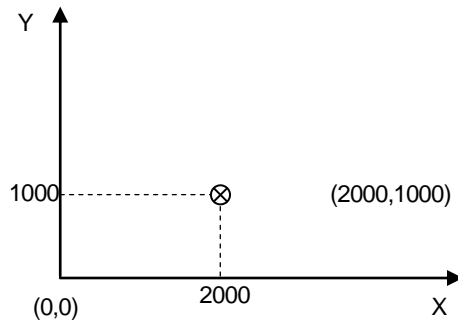


$= 10(\text{mm})$ $1000(\text{p/r})$
 $10(\text{mm})$ 1 $10(\text{mm})$
 1 1000 1
 $10/1000(\text{mm}) = 0.01(\text{mm})$
 1mm $1/0.01 = 100$

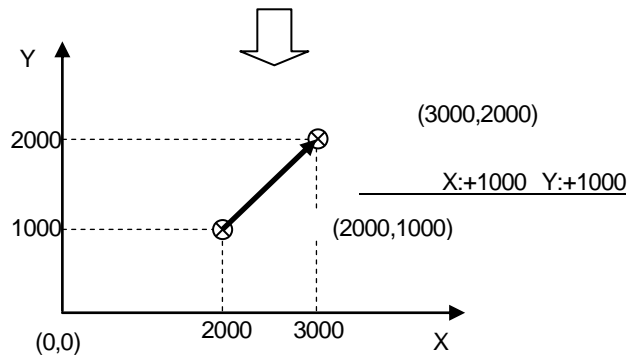
 1
 1 $0.01(\text{mm})$ $1(\text{pps}) = 0.01(\text{mm/sec})$
 10mm/sec $10/0.01 = 1000(\text{pps})$

2.1.5

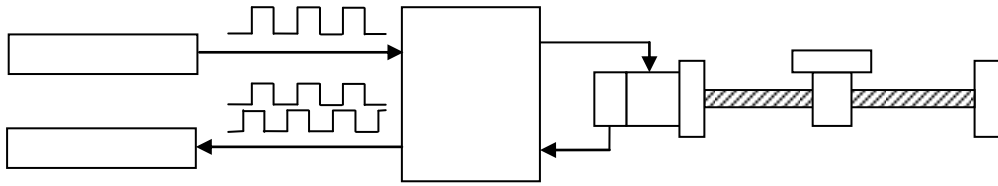
(1)



(2)



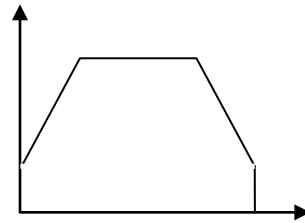
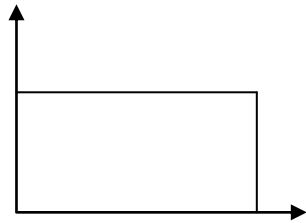
2.1.6



2.1.7

(1)

(2)

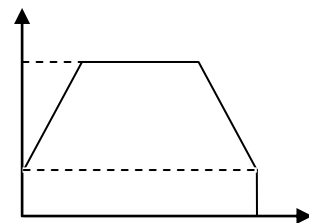


2.1.8

(1)

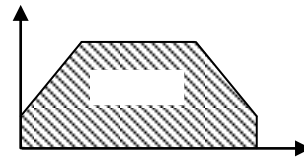
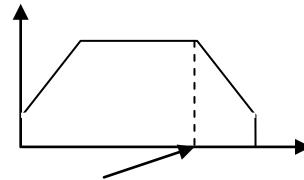
(2)

(3)

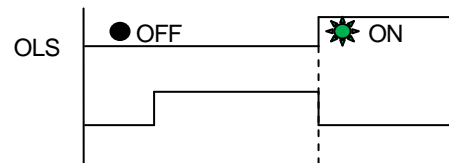


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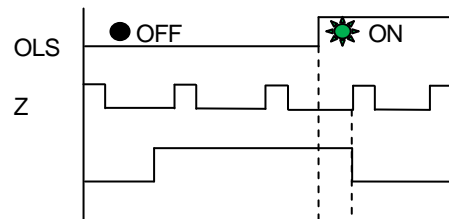
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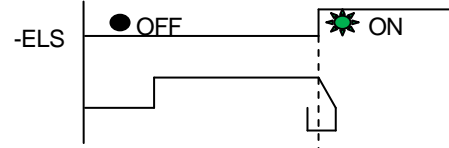
CE OLS(OLS ON)



CE OLS+Z OLS ON Z



CE ELS(ELS ON) UP UØØ



SVALM

INPOS

COIN

SVRDY

ON

FB

Z (C)

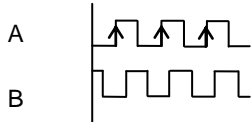
1

A B

A B Z

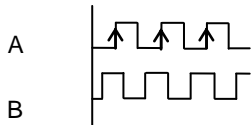
CE CW

A B "Low"

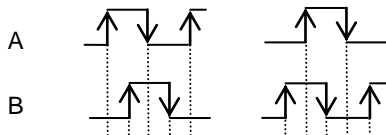


CE CCW

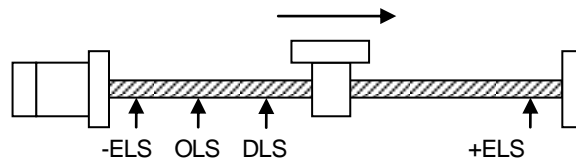
A B "High"



CE



1	+	+	-	B	Low	A
2	+	+	-	A		
4	+++++		-----	A		B



ELS(Stroke End-Limit Sensor, OT)

ELS

ELS ()

OLS(Origin-Limit Sensor Z ()

DLS(Deceleration-Limit Sensor)

1. CMP()

()
LATCH()
LATCH

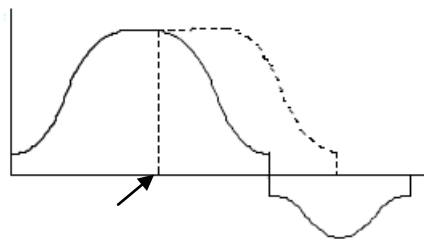
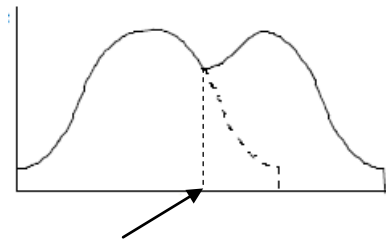
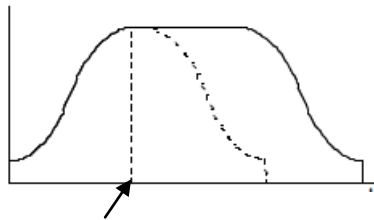
CLR()
CLR

2.1.11

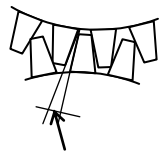
(2)

(3)

3



(4)

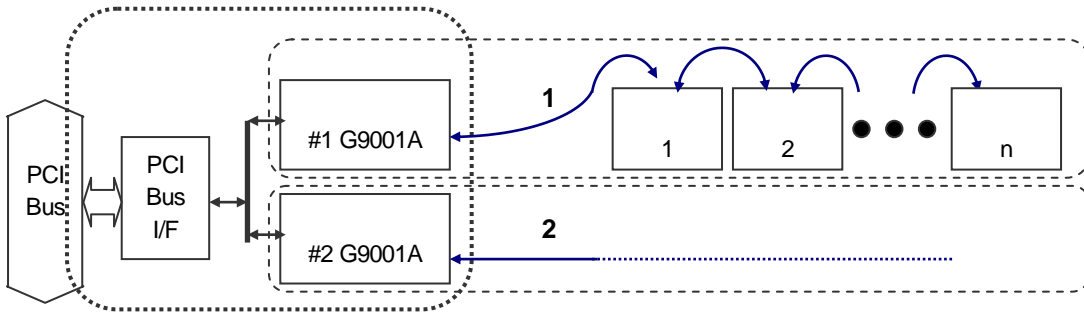


(5)

2.2 motionCAT

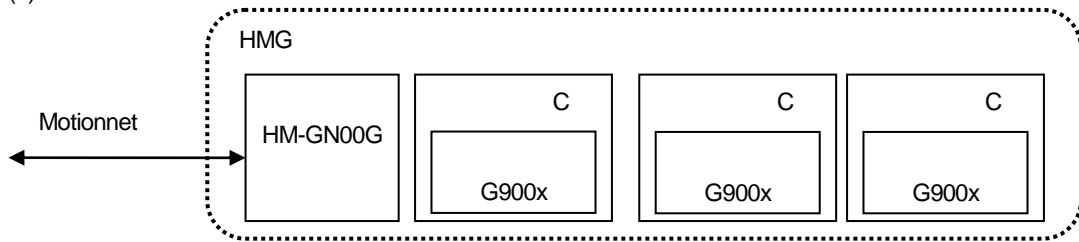
2.2.1

motionCAT											
1						G9001A	2		2		
				1	6						
1		1				G9003	1				
1	DIO	16IN/16OUT		24IN/8OUT	I/O	DIO		G9002	1		
					DIO						



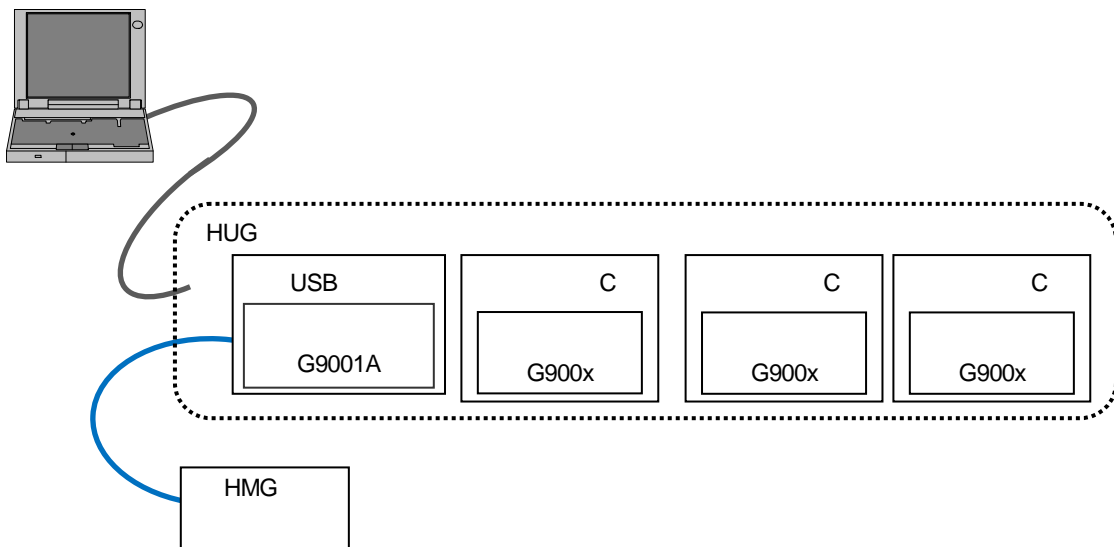
2.2-1 motionCAT

(1) HMG



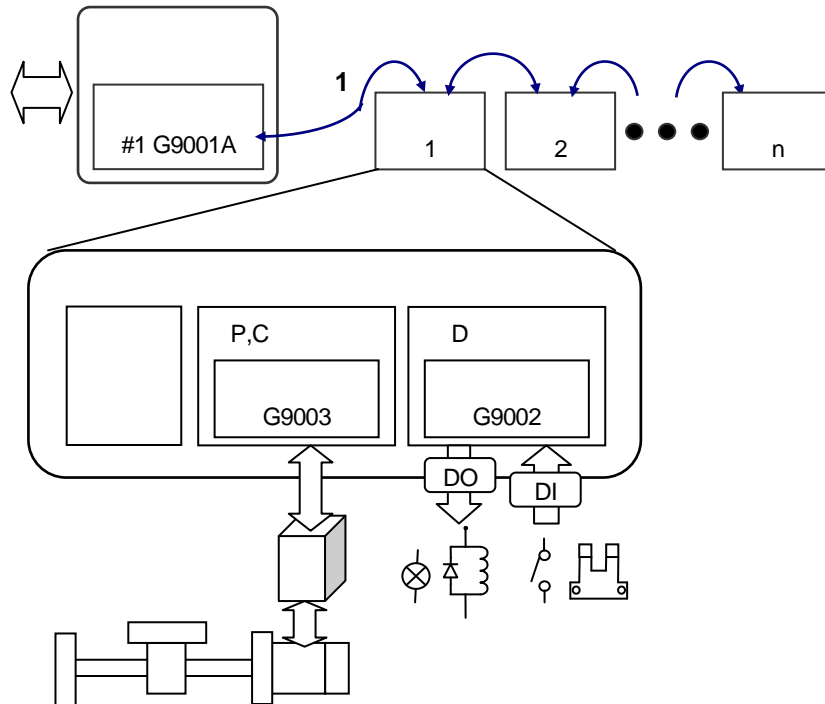
2.2-2 HMG

(2) HMG



2.2-3 HUG

(3)



2.2.2 LSI

(G9001A)
(G9003)

DIO (G9002)

		G9001A	1	
		G9003	1	()
		G9103A		
	DIO	G9002	4	I/O

2.2-1

2.2.3

motionCAT

2.2.4

2.2.5

(1 6)

HMG HUG

2.2.6

ID (P C) DIO(D T) (A)
ID 00h 3Fh(0 63)

