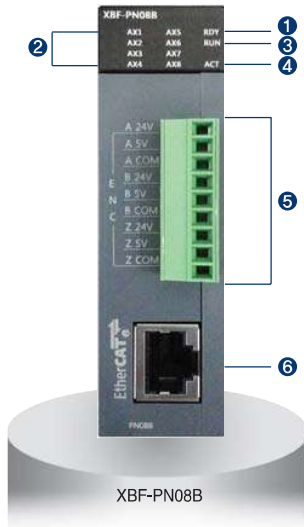## Specification

XBF-PN08B

Item	XBF-PN08B		
No. of control axis	8		
Interpolation function	2~8 axes linear interpolation, 2 axes circular interpolation, 3 axes helical interpolation		
Control method	Position control, Speed control, Speed/Position control, Position/Speed control, Position/Torque Control, Feed control		
Control unit	Pulse, mm, inch, degree		
Positioning data	Each axis can have up to 400 operation data .(Operation step number : 1~400) Available to set with XG-PM or program		
XG-PM	**Connection**	RS-232C port of CPU module or USB	
	Setting data	Common, Basic, Extended, Servo parameter, Operation data, Cam data, Command information	
	Monitor	Operation information, Trace, Input terminal information, Error information	
Back-up	Save the parameter, operation data in MRAM ROM (No need of Battery)		

			Absolute	Incremental	Speed/Position, Position/Speed Switching control
Positioning	Positioning method		Absolute method/Incremental method		
	Position address range	mm	-214748364.8~214748364.7(μm)	-214748364.8~214748364.7(μm)	-214748364.8~214748364.7(μm)
		Inch	-21474.83648~21474.83647	-21474.83648~21474.83647	-21474.83648~21474.83647
		degree	-21474.83648~21474.83647	-21474.83648~21474.83647	-21474.83648~21474.83647
		pulse	-2147483648~2147483647	-2147483648~2147483647	-2147483648~2147483647
	Speed range	mm	0.01~20000000.00(ßÆ/min)		
		Inch	0.001~2000000.000(Inch/min)		
		degree	0.001~2000000.000(degree/min)		
		pulse	1~20,000,000(pulse/SEC)		
		rpm	0.1~100000.0(RPM)		
	Acc./Dec. process		Trapezoid type, S-type		
	Acc./Dec. time		1~2,147,483,647ms selection is available from 4 types of acceleration/deceleration pattern		

Item	XBF-PN08B		
Manual Operation	Jog Operation, MPG Operation, Inching Operation		
Homing method	Refer to the method supported by the servo driver		
Speed change function	Speed change (Percent/Absolute value)		
Torque unit	Rated torque % designation		
Absolute position system	Available (when using absolute encoder type servo driver)		
External Encoder input	**Channel**	1 channel	
	Max. Input	200 kpps	
	Input form	Line drive input (RS-422A IEC specification), open collector output type encoder	
	Input type	CW/CCW, PULSE/DIR, Phase A/B	
	Connection connector	9-point connector	
Communication Period	1ms		
Max. transmission distance	100m		
Communication cable	Over CAT.5 STP (Shielded Twisted-pair) cable		
Error indication	Indicated by LED		
Communication status indication	Indicated by LED		
Consumable current	510mA		
Weight	115g		