

FAGOR 8070 CNC

Ordering Handbook.

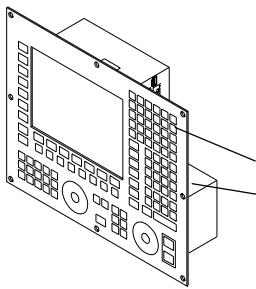
Ref. 0409



Fagor Automation S.Coop.

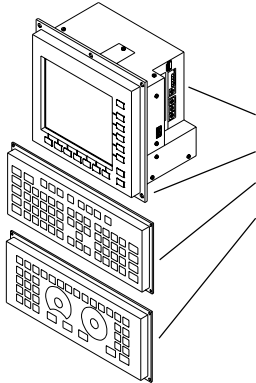
Configuration

8070 CNC with 10.4" LCD and Operator Panel



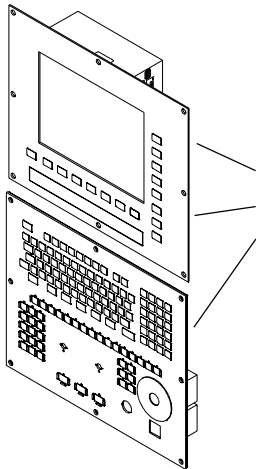
Code	Model	Description
83700024	8070-UC-PC104	8070 CNC Central Unit
83700021	8070-LCD-10-K	10.4" LCD with Operator Panel
83760005	8070-BATTERY	It ensures a controlled CNC switch-off

8070 CNC with 10.4" LCD, Key board panel and JOG panel



Code	Model	Description
83700024	8070-UC-PC104	8070 CNC Central Unit
83700020	8070-LCD-10	10.4" LCD Monitor
83760003	8070-KEY BOARD PANEL-H	Key Board panel
83760004	8070-JOG PANEL	JOG panel
83760005	8070-BATTERY	It ensures a controlled CNC switch-off

8070 CNC with 12" LCD and Operator Panel



Code	Model	Description
83700024	8070-UC-PC104	8070 CNC Central Unit
83700022	8070-LCD-12	12" LCD Monitor
83760000	OP PANEL 8070-E	Operator panel with Emergency button
83760001	OP PANEL 8070-H	Operator panel with Handwhel
83760005	8070-BATTERY	It ensures a controlled CNC switch-off

(1)

(1) Choose one of them

Making the Central Unit

83160110	SERCOS-INT-BOARD	Option Sercos interface board for digital drivers
83710015	8070-MODEM BOARD	Option To work with Telediagnosis (remote control of the CNC).

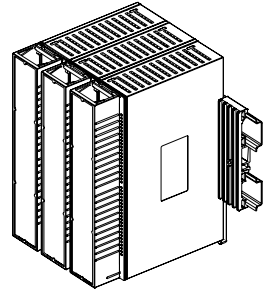
Aditonal Units

83760006	8070-EMERG & HAND UNIT
83760007	8070-CD ROM UNIT
83760008	8070-MOUSE UNIT
83760009	8070-FLOPPY DISK UNIT

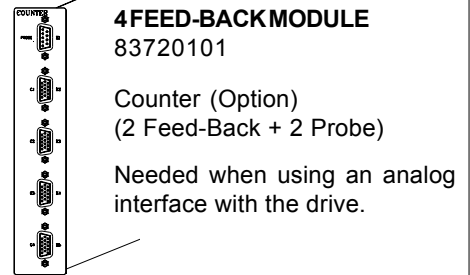
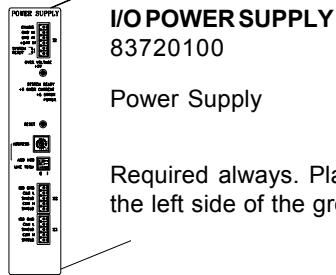
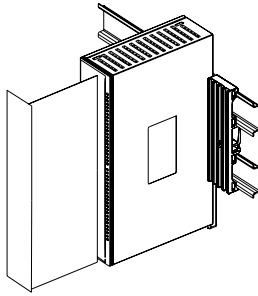
Remote Modules

Remote Modules Group.

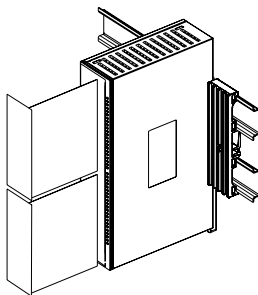
The 8070 CNC can handle up to 32 groups of Remote Modules.
 Each group carries an I/O Power Supply and may consist of up to 16 modules.
 All groups are interconnected through a CAN Bus with the Central Unit and the Operator Panel.



Remote Modules. Full-card

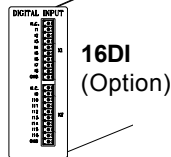


Remote Modules. Double half-card.

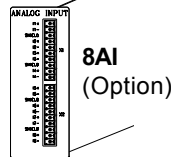


The double half-size Remote Modules are made of two of the following cards.

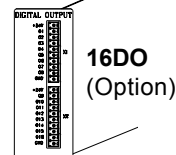
These are the 14 possible combinations.



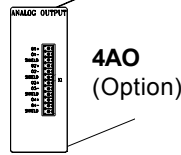
16 Digital Inputs



8 Analog Inputs



16 Digital Outputs



4 Analog Outputs

16DI/ --	MODULE	83720102
16DI/16DI	MODULE	83720103
16DI/16DO	MODULE	83720104
16DI/8AI	MODULE	83720105
16DI/4AO	MODULE	83720106
16DO/ --	MODULE	83720108
16DO/16DO	MODULE	83720109
16DO/8AI	MODULE	83720110
16DO/4AO	MODULE	83720111
8AI/ --	MODULE	83720113
8AI/8AI	MODULE	83720114
8AI/4AO	MODULE	83720115
4AO/ --	MODULE	83720117
4AO/4AO	MODULE	83720118

Consumption of the remote modules

The power supply is in charge of supplying to the rest of the modules through +5V and ±18V and managing the internal bus of the group. The total consumption of the group depends on the configuration of the modules.

		5V	±18V
DI	Digital inputs	0,40 watts	---
DO	Digital outputs	0,65 watts	---
AI	Analog inputs	0,30 watts	1,80 watts
AO	Analog outputs	0,35 watts	3,40 watts
CT	Counters	1,75 watts	---
CPU	CPU-CAN	0,60 watts	---

The consumption of the CPU-CAN is added to each module of the configuration. When mounting two half-size modules together (in the same box), the consumption of the CPU-CAN must only be added once.

The total consumption of the group must not exceed the following maximums:

- For +5V, a maximum consumption of 10 watts.
 - For ±18V, a maximum consumption of 7.2 watts.
- If any of them is exceeded, double the group. Use two power supplies and distribute the modules.

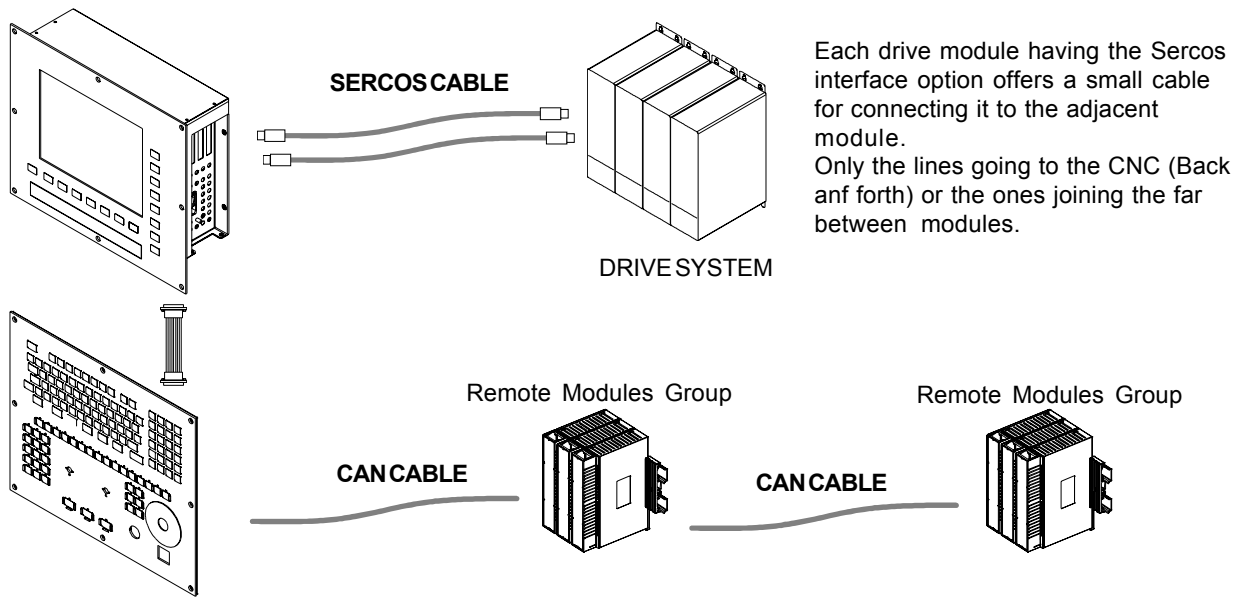
Modules	5V	±18V
(CT) + (CPU)	1,75 + 0,6	---
(DI) + (DI) + (CPU)	0,4 + 0,4 + 0,6	---
(DO) + (DO) + (CPU)	0,65 + 0,65 + 0,6	---
(AO) + (CPU)	0,35 + 0,6	3,4
Total consumption	6,60 watts	3,4 watts

Software Options

83740000			SOFT-8070 M
83740015		SOFT-8070 GP	
	AXES	(from 4 to 28)	(from 4 to 28)
	SPINDLES	(from 1 to 4)	(from 1 to 4)
	MAGAZINES	(from 1 to 4)	(from 1 to 4)
	EXECUTION CHANNELS	(from 1 to 4)	(from 1 to 4)
83740011	SOFT-8070 TOOL RADIUS(GP)	Optional	Standard
83740008	SOFT-8070 COCOM VERSION	Optional	Optional
83740021	SOFT-8070 DIGITAL SERCOS	Optional	Optional
83740010	SOFT-8070 "C" AXIS	Not available	Standard
83740009	SOFT-8070 5 AXES RTCP	Not available	Optional
83740007	SOFT-8070 PROBING CANNED	Not available	Optional
83740013	SOFT-8070 HIGH SPEED	Optional	Optional
	EJES TANDEM	Not available	Optional
	SINCRONISMOS y LEVAS	Not available	Optional

Select the cables necessary for each configuration.

Ready Made cables for CAN Bus (CAN CABLE) and Sercos ring (SFO & SFO-FLEX).



CAN CABLE	Length	5 m	10 m	15 m	20 m	25 m	xx m (*)
	Reference	CAN CABLE 5M	CAN CABLE 10M	CAN CABLE 15M	CAN CABLE 20M	CAN CABLE 25M	CAN CABLE
	Code	03780100	03780101	03780102	03780103	03780104	83780105

(*) The length must be specifically ordered (in meters)

SERCOSCABLE	Length	1 m	2 m	3 m	5 m	7 m	10 m	12 m	15 m	20 m	25 m	xx m
	Reference	SFO-1	SFO-2	SFO-3	SFO-5	SFO-7	SFO-10	SFO-12	SFO-15	SFO-20	SFO-25	SFO
	Code	83900010	83900011	83900012	83900013	83900014	83900015	83900016	83900017	83900018	83900019	83900020

Length	15 m	20 m	25 m
Reference	SFO-FLEX-15	SFO-FLEX-20	SFO-FLEX-25
Code	83900025	83900027	83900030

SFO FLEX: Sercos Flexible cable

CNC Simulator for PC

83740017	CNC 8070 PC SIMULATOR	With Hard Key to the parallel port
83740022	CNC 8070 PC SIMUL USB	With Hard Key to the USB port