

3. Specification

3.1. General Specification

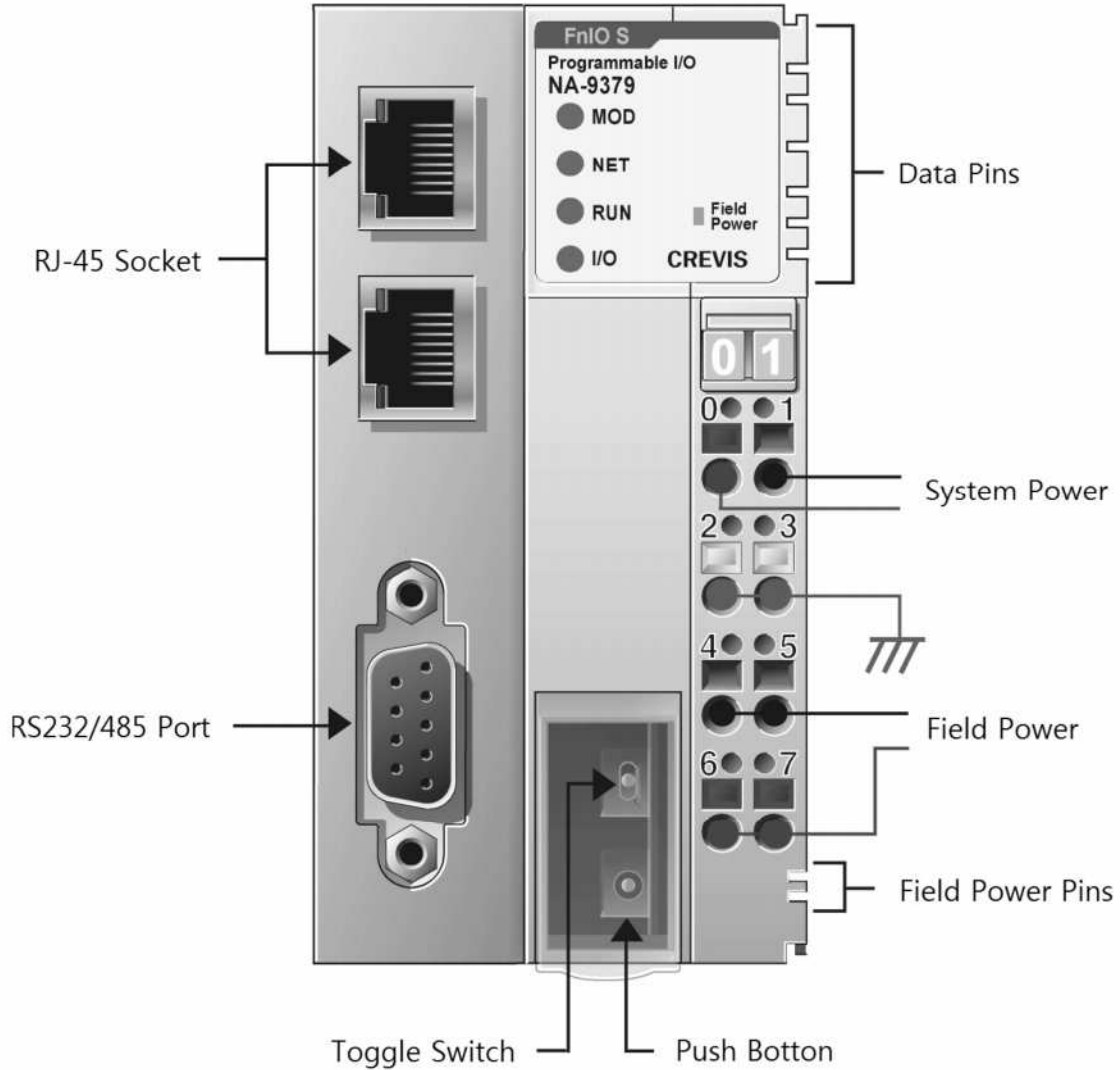
General Specification	
System Power	Supply voltage : 24Vdc nominal Supply voltage range : 11~28.8Vdc Protection : Output current limit (Min. 1.5A) Reverse polarity protection
Power Dissipation	110mA typical @ 24Vdc
Current for I/O Module	1.5A @5Vdc
Isolation	System power to internal logic : Non-isolation System power I/O driver : Isolation
Field Power	Supply voltage : 24Vdc nominal Supply voltage range : 11~28Vdc
Max. Current Field Power Contact	DC 10A Max.
Weight	172g
Module Size	54mm x 99mm x 70mm
Environment Condition	
Environmental Specifications	
Operating Temperature	-20℃~60℃
Storage Temperature	-40℃~85℃
Relative Humidity	5% ~ 90% non-condensing
Mounting	DIN rail
General Specifications	
Shock Operating	IEC 60068-2-6
Vibration/shock resistance	Based on IEC 60068-2-6 Sine Vibration <ul style="list-style-type: none"> - 10 ~ 25 Hz : 0.5mm - 50 ~ 150 Hz : 5g - 150 ~ 1000 Hz : 2g - Sweep Rate : 1 Oct/min, 50 cycles Sine Vibration <ul style="list-style-type: none"> - 10 ~ 25 Hz : 0.03 g²/Hz - 25 ~ 50 Hz : 0.05 g²/Hz - 50 ~ 150 Hz : 0.15 g²/Hz - 150 ~ 1000 Hz : 0.01 g²/Hz - Test time : 5hrs for each test
EMC resistance burst/ESD	EN 61000-6-2 : 2005 EN 61000-6-4/ALL : 2011
Installation Pos. / Protect. Class	Variable/IP20
Product Certifications	TBD

3.2. Interface Specification

Programmable Specification	
Programming	CoDeSys V3.5 SP3 Patch 1
Program Memory	512 Kbytes
Data Memory	512 Kbytes %IW0~%IW639 (640 word Input and Internal memory) %QW0~%QW639 (640 word Output and Internal memory) %MW0~%MW639 (640 word Internal memory)
Non-Volatile Memory	32 Kbytes (Retain : 16Kbytes, Flag : 16Kbytes)
Run-Time system	Multiple PLC Task
Program Languages	IEC 61131-3 (LD, IL, ST, FBD, SFC)
RTC	Retain Time : 6 days Accuracy : <2min/month
Max. Task	2
Max. Cycle Task	2
Max. Status Task	1
Process Time	3us (100Instruction)
Interface Specification	
Adapter Type	Master & Slave Node (MODBUS TCP)
Max. Expansion Module	32 slots
Max. Input Size	126 Words (252 Byte)
Max. Output Size	126 Words (252 Byte)
Max. Nodes	Limited by Ethernet Specification
Baudrate	10/100Mbps, Auto-negotiation, Full Duplex
Interface Connector	RJ-45 socket * 2pcs
Protocol	MODBUS TCP, DHCP, BOOTP, SNMP
Max. Socket	18 (UDP : 6, TCP : 12, TCP_LISTEN : 6)
Other Serial Port	RS232/485 for MODBUS RTU, Touch Pannel or IOGuide
Serial Configuration (RS232/485)	Node : 1(default) Baudrate : 38400(default) Data bit : 8(default) Parity bit : No parity(default) Stop bit : 1(default)
Indicator	4 LEDs (NET LED is Not used) 1 Green/Red, Module Status (MOD) 1 Green/Red, Run Status (RUN) 1 Green/Red, Extension Module Status (I/O) 1 Green, Field Power Status

4. Module Description

4.1. NA-9379 (MODBUS Programmable I/O)



ATTENTION



The modules are not hot swappable and should be not removed in power on condition.