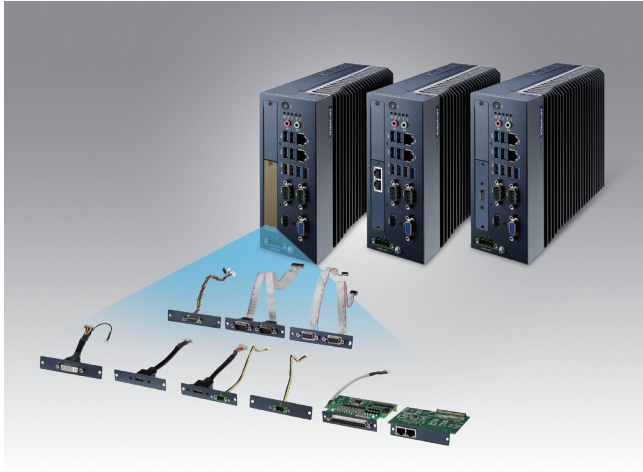


Flex I/O Series

I/O Expansion Module for MIC-7 Series



Features






- Flexible expansion for various I/O connection
- Flex I/O expansion on the front panel for same-side cabling
- Support various display interfaces and the 3rd output
- Support I/O and intelligent alarm function
- Expand two more LAN ports
- Support TPM module
- MIC-7 Series compatible

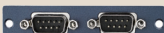




Introduction

Flex I/O Series modules provide flexible expansion for MIC-7 Series. Customer can have more display, more control and communication interface via Flex I/O.

All Flex I/O is connected directly from the connectors reserved in MIC-7 Series main board and installed on the front panel, easy to fulfill machine, factory automation and IEM deployment.

Compatible Table

Function	Display			Power & Intelligent Alarm	
	DVI	HDMI	HDMI & Remote Switch	Remote Switch	Reset & Remote Switch & 5VDC
	98R175000E	98R175003E	98R175001E	98R175004E	98R175008E
Part Number					
MIC-7300	✓	✓	✓	–	✓
MIC-7500	✓	✓	✓	✓	✓
MIC-7700	MIC-7700Q	✓	✓	✓	✓
	MIC-7700H	✓	✓	✓	✓
MIC-770	MIC-770Q	✓	✓	✓	✓
	MIC-770H	✓	✓	✓	✓
MIC-7900*	–	–	–	✓	✓

Function	Communication				Security
	COM Port	8bit GPIO	GPIO module (32bit)	Dual LAN	TPM2.0 module
	98R175006E	98R175009E	AIIS-DIO32-00A1E	9891790040E	PCA-TPM-00B1E
Part Number					
MIC-7300	✓	✓ (support 1x GPIO only)	✓	–	✓
MIC-7500	✓	✓ (support 1x GPIO only)	✓	–	✓
MIC-7700	MIC-7700Q	✓	✓	✓	✓
	MIC-7700H	✓	✓	–	✓
MIC-770	MIC-770Q	✓	✓	–	✓
	MIC-770H	✓	✓	–	✓
MIC-7900*	✓	✓ (support 1x GPIO only)	✓	–	–

* LAN3 and LAN4 will be replaced.

Connector on MIC-7 Series Main Board

Function	DVI	HDMI	HDMI & Remote Switch	Remote Switch	Reset & Remote Switch & 5VDC
Part Number	98R1750000E	98R1750030E	98R1750010E	98R1750040E	98R1750080E
MIC-7300	DVI2	DVI2	DVI2, SW2	SW2	FP1 (Pin3/4), SW2, KBMS1
MIC-7500	DVI1	DVI1	DVI1, SW2	SW2	FP1 (Pin3/4), SW2, KBMS1
MIC-7700	MIC-7700Q	DP1/DP2	DP1/DP2, SW2	SW2	FP1 (Pin3/4), SW2, KBMS1
	MIC-7700H	DP1	DP1, SW2	SW2	FP1 (Pin3/4), SW2, KBMS1
MIC-770	MIC-770Q	DP1/DP2	DP1/DP2, SW2	SW2	FP1 (Pin3/4), SW2, KBMS1
	MIC-770H	DP1	DP1, SW2	SW2	FP1 (Pin3/4), SW2, KBMS1
MIC-7900	–	–	–	SW2	FP1 (Pin3/4), SW2, KBMS1

Function	COM Port	8bit GPIO	GPIO module (32bit)	Dual LAN	TPM2.0 module
Part Number	98R1750060E	98R1750090E	AIIS-DIO32-00A1E	9891790040E	PCA-TPM-00B1E
MIC-7300	COM34, COM56	GPIO1	USB1	–	LPC1
MIC-7500	COM34, COM56	GPIO1	USB11	–	LPC1
MIC-7700	MIC-7700Q	GPIO0/GPIO1	USB2	EXPC1	LPC1
	MIC-7700H	GPIO0/GPIO1	USB2	–	LPC1
MIC-770	MIC-770Q	GPIO0/GPIO1	USB2H1	–	LPC1
	MIC-770H	GPIO0/GPIO1	USB2H1	–	LPC1
MIC-7900	COM34, COM56	GPIO1	USB11	–	–

Flex I/O Assembly Example



Default MIC-770Q-00A1

Flex I/O
HDMI & Remote Switch

After Assembly

Ordering Information

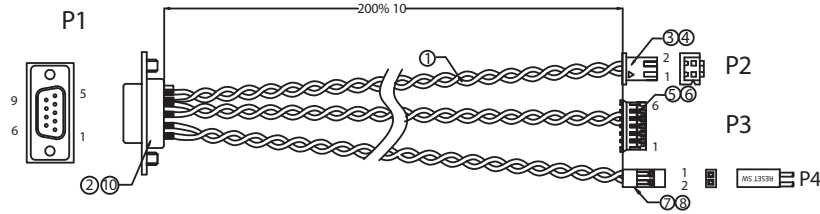
Part Number	Description
98R1750000E	MIC DVI kit FIO
98R1750010E	MIC HDMI/Remote Switch kit FIO
98R1750030E	MIC HDMI kit FIO
98R1750040E	MIC Remote Switch kit FIO
98R1750060E	MIC COMport kit FIO (2x DB9 cables, 15 & 22cm)
98R1750070E	MIC Remote Switch kit for SFIO
98R1750080E	MIC Reset/Remote Switch/5VDC kit FIO
98R1750090E	MIC GPIO kit (2x GPIO cables)
9891790040E	MIC Dual LAN kit FIO
AIIS-DIO32-00A1E	AIIS GPIO (32 bit)
PCA-TPM-00B1E	TPM2.0 module

Note 1: Only support one module in one system.

Note 2: Cable/module, cover and screws are included.

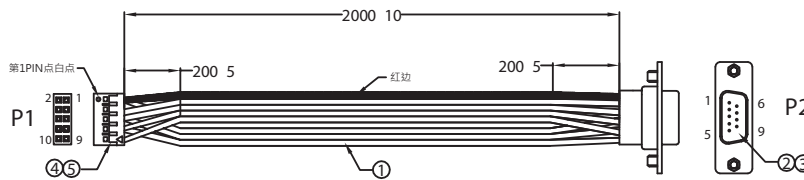
Pin Definition

98R1750080E



P1	P2	P3	P4
# 9	1		
& 8	2		
# 3		4	
3 4		5	
# 2			2
3 1			1

98R1750090E



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P1	P2
1	1
3	2
5	3
7	4
10	5
2	6
4	7
6	8
8	9

AIIS-DIO32-00A1E

Digital_In	Pin01 => IDI0	Digital_In	Pin20 => IDI1
	Pin02 => IDI2		Pin21 => IDI3
	Pin03 => IDI4		Pin22 => IDI5
	Pin04 => IDI6		Pin23 => IDI7
	Pin05 => IDI8		Pin24 => IDI9
	Pin06 => IDI10		Pin25 => IDI11
	Pin07 => IDI12		Pin26 => IDI13
	Pin08 => IDI14		Pin27 => IDI15
	Pin09 => [GND]		Pin28 => [GND]
	Pin10 => PCOM1		Pin29 => [GND]
Digital_Out	Pin11 => IDO0	Digital_Out	Pin30 => IDO1
	Pin12 => IDO2		Pin31 => IDO3
	Pin13 => IDO4		Pin32 => IDO5
	Pin14 => IDO6		Pin33 => IDO7
	Pin15 => IDO8		Pin34 => IDO9
	Pin16 => IDO10		Pin35 => IDO11
	Pin17 => IDO12		Pin36 => IDO13
	Pin18 => IDO14		Pin37 => IDO15
	Pin19 => PCOM2		