

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
- Expand for 2 x 2.5" SSD
- Support TPM module
- MIC-7 Series compatible

Introduction

Flex I/O series modules provide flexible expansion for MIC-7 Series so customers can enjoy display, more control, and better communication via Flex I/O. All Flex I/O are attached directly from connectors reserved on the MIC-7 series main board and installed on the front panel, making it easy to fulfill machine, factory automation, and IEM deployments.

Flex I/O Assembly Example

Small Flex I/O



Default MIC-770



After Assembly

Regular Flex I/O



Default MIC-770



After Assembly



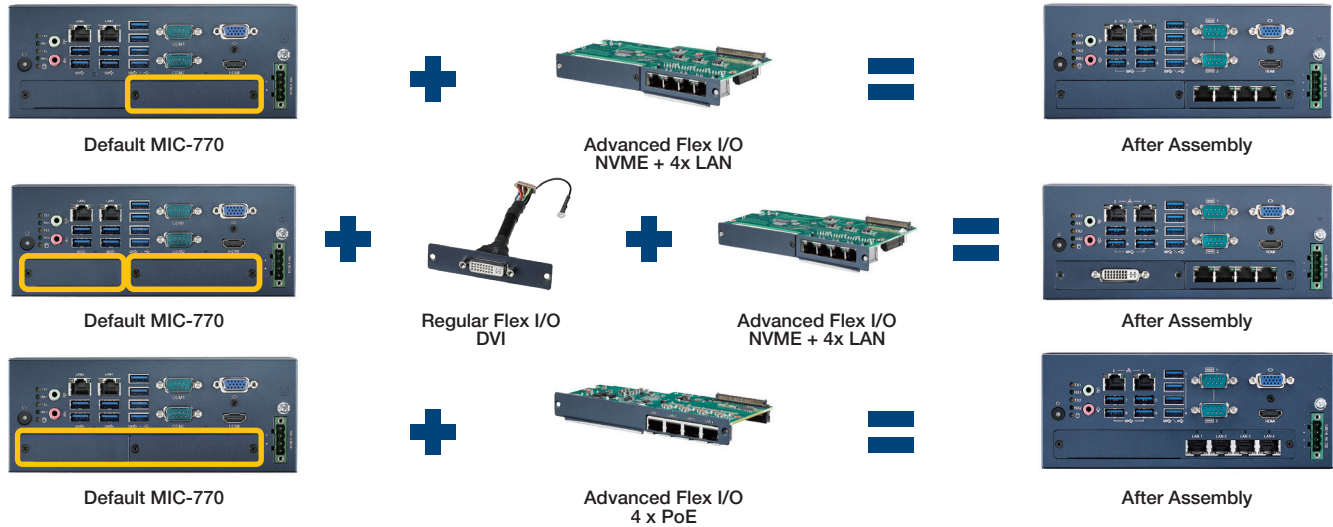
Default MIC-770



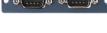
After Assembly

Flex I/O Series

Advanced Flex I/O



Compatible Table

Flex I/O	Function	Part Number	MIC-7500	MIC-7700		MIC-770 V1		MIC-770 V2		MIC-770 V3		MIC-7900
				MIC-7700Q	MIC-7700H	MIC-770Q	MIC-770H	MIC-770W	MIC-770H	MIC-770W	MIC-770H	
Small FIO												
	Remote Switch	98R17500701	-	-	-	✓	✓	✓	✓	✓	✓	-
Regular FIO												
	DVI	98R17500001	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
	HDMI & Remote Switch	98R17500101	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
	HDMI	98R17500301	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
	Remote Switch	98R17500401	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	COM Port	98R17500601	-	-	-	✓	✓	✓	✓	✓	✓	-
	Reset & Remote Switch & 5VDC	98R17500801	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	8 bit GPIO	98R17500901	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Display Port	98R17501001	-	✓	✓	✓	✓	✓	✓	✓	✓	-
	Dual LAN	98R1790040E	-	✓	-	-	-	-	-	-	-	-
	GPIO module (32bit)	AIIS-DIO32-00A1E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TPM 2.0 module (LPC)	PCA-TPM-00B1E	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
	TPM 2.0 module (SPI)	PCA-TPMSPI-00A1	-	-	-	-	-	✓	✓	-	-	-
Advanced FIO												
	NVME+ 4x LAN	98910770301	-	-	-	✓	-	✓	-	✓	-	-
	NVME	98910770401	-	-	-	✓	-	✓	-	✓	-	-
	4 x PoE	98910770501	-	-	-	✓	-	✓	-	✓	-	-
	2x SSD kit	98R1752020E	-	✓	✓	✓	✓	✓	✓	✓	✓	✓

Ordering Information

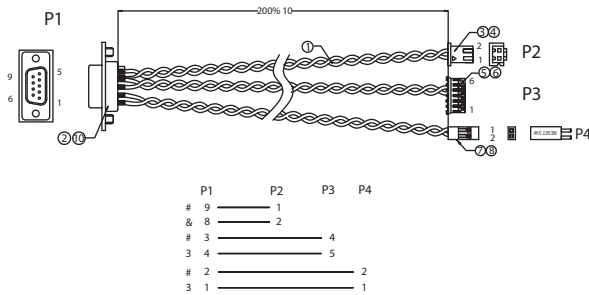
Part Number	Description
98R17500001	MIC DVI kit FIO
98R17500101	MIC HDMI/Remote Switch kit FIO
98R17500301	MIC HDMI kit FIO
98R17500401	MIC Remote Switch kit FIO
98R17500601	MIC COMport kit FIO (2x DB9 cables, 15 & 22cm)
98R17500701	MIC Remote Switch kit for SFIO
98R17500801	MIC Reset/Remote Switch/5VDC kit FIO
98R17500901	MIC GPIO kit (2x GPIO cables)
98R17501001	MIC Display Port kit FIO
98917900400	MIC Dual LAN kit FIO
AIIS-DIO32-00A1E	AIIS GPIO (32 bit)
PCA-TPM-00B1E	TPM 2.0 module (LPC)
PCA-TPMSPI-00A1	TPM 2.0 module (SPI)
98R1752020E	2 x SSD kit
98910770301	MIC NVMe + 4 LAN FIO
98910770401	MIC NVMe FIO
98910770501	MIC 4 PoE FIO

Note 1: Only support one module in one system.

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

Pin Definition

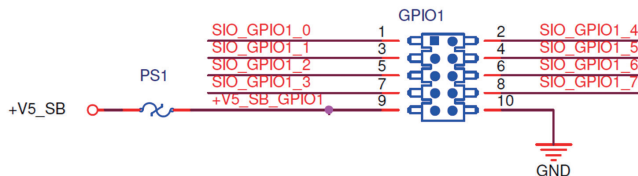
98R17500801



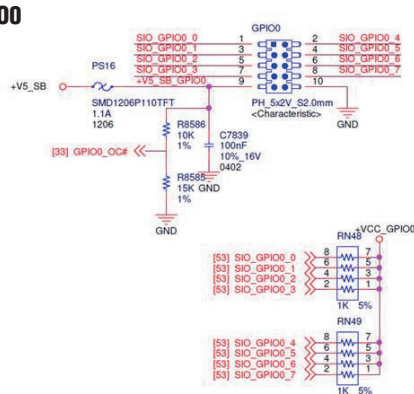
AIIS-DIO32-00A1E

Digital In	Digital Out
Pin01 => IDI0	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]
Pin11 => IDO0	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	

98R17500901



8 bit GPIO0



8 bit GPIO1

