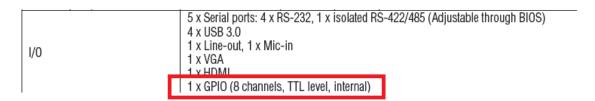


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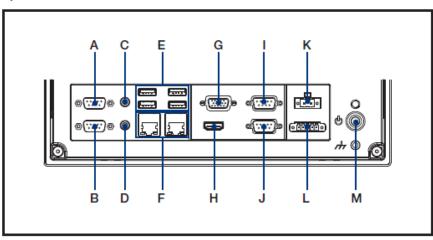
Date	2019 / 08 / 28	Release Note	□ Internal ■ External
Category	■FAQ □SOP	Related OS	
Abstract	FAQ_How to use the G	PIO function on PP	PC-31x0-RE9A?
Keyword	GPIO		
Related Product	PPC-3100-RE9A, PPC-3	120-RE9A	

Problem Description:

On PPC-3100-RE9A, we reserve a GPIO pin-header on M/B but there is no external connector for it.



I/O View



- A. COM4: RS-232
- B. COM5: RS-232
- C. Line Out
- D. Mic In
- E. 4 x USB 3.0
- F. 2 x LAN
- G. VGA

- H. HDMI
- I. COM1: RS-232
- J. COM2: RS-232
- K. DC Inlet and AT/ATX switch
- L. COM3: Isolated RS-422/485
- M. Power Button



■ Brief Solution:

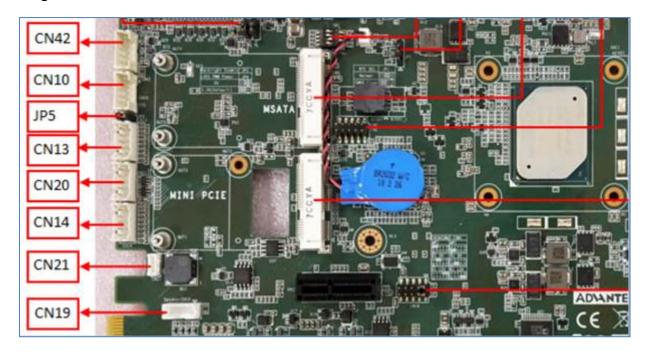
If user needs GPIO feature, he has to manually switch the COM4 or COM5 cable to CN20, they are the same type connector

Please refer to Figure 1 & 2 for CN20 connector, figure 3 for connection, figure 4 for GPIO pin define.

<Figure 1>

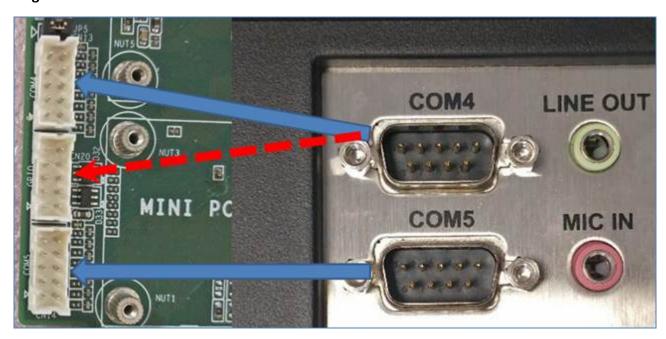
	Motherboard layout diagram
Connectors	Functions
CN1	LPC Conn.
CN4	LCD Backlight
CN7	SATA Power
CN13	COM4
CN14	COM5
CN15	RS422/485
CN16	COM1/COM2 Ring
CN19	Speaker
CN20	GPIO

<Figure 2>





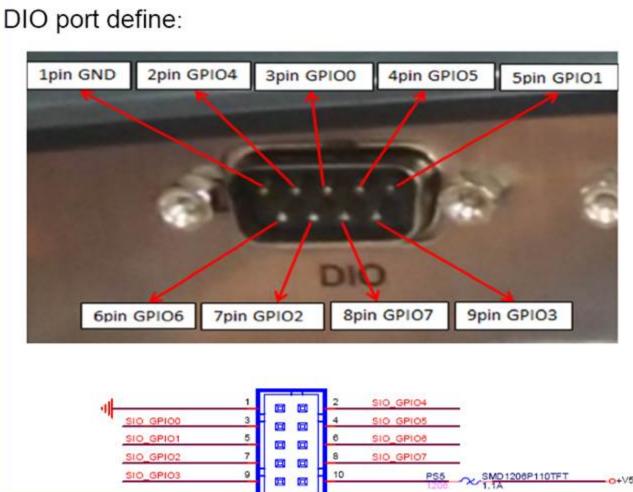
<Figure 3>



<Figure 4>









Download GPIO utility from "Software API" page

https://support.advantech.com/support/DownloadSRDetail New.aspx?SR ID=1-1SEOBK3&Doc Source=Download

Document No. 1-389	94484611		
Date Updated	08-29-2019	Date Created	08-29-2019
Document Type	Software API	Related OS	Win10 / Win7 / Win8.1
Related Product	IPPC-6152A-R2AE / IPPC-6172A-R2AE / PPC-3100-RE9A / PPC-3120-RE9A / PPC-3151-650AE / PPC-3151W-P75A / PPC-3211W-P75A / PPC-6151C-RTAE / PPC-6171C-RTAE / PPC-6191C-RTAE		
olution : . Windows 7 / Window	vs 8 / Windows 10	nstallation default path C:\Program Fil	les\Advantech\Device Name\Examples
GPIO for PPC series Solution: I. Windows 7 / Window Programple codes: Download File	vs 8 / Windows 10	nstallation default path C:\Program Fil Released Date	es\Advantech\Device Name\Examples Download Site