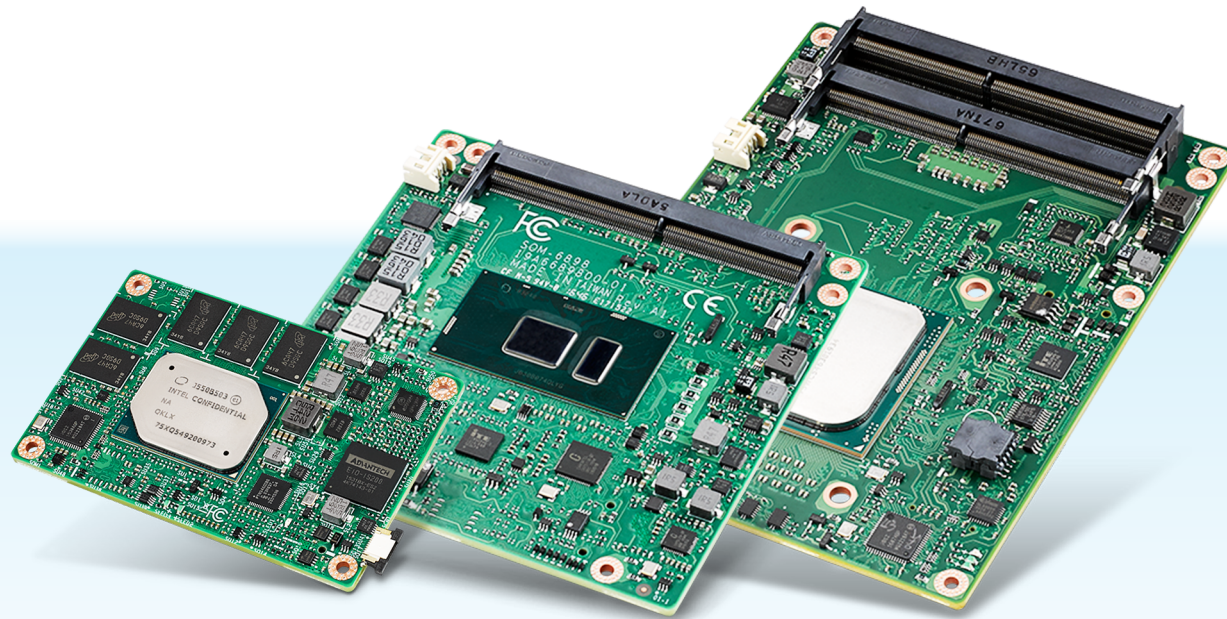


Spec change 3.0 vs 2.1

(form factor, pin-out, function, etc)



R2.1 Type 6 vs R3.0 Type 6

R2.1 Type 6			
Row AB		Row CD	
GbE0	LPC	USB 3.0 0-3	
	SMBus		
SATA 0-1		PCIe 6-7	
SATA 2-3		DDI 0-2	
AC'97/HD Audio	I2C		
USB 2.0 0-7			
Express Card			
PCIe 0-5			
LVDS A/eDP	LVDS B	PEG 0-15	
SPI	VGA		
SER0	Reserved		
VCC 12V			

R3.0 Type 6			
Row AB		Row CD	
GbE0 IEEE1588 Support	LPC/eSPI	USB 3.0 0-3	
	SMBus		
SATA 0-1		PCIe 6-7	
SATA 2-3		DDI 0-2	
HD Audio	I2C		
USB 2.0 0-7 USB0 Client Support			
Reserved			
PCIe 0-5			
LVDS A/eDP	LVDS B	PEG 0-15 Rapid Shutdown Support (C67#) Change D97# from PEG_ENABLE# to RSVD	
SPI	VGA		
SER0	Reserved		
VCC 12V			

Means-Difference

Means-New added function

1. Add eSPI
2. Add IEEE1588
3. Add USB0 Client Support
4. Add Rapid Shutdown Support

1. Remove Express card
2. Remove AC'97
3. Remove PEG_ENABLE# (D97#)

R2.1 Type 6 vs R3.0 Type 7

R2.1 Type 6			
Row AB		Row CD	
GbE0	LPC	USB 3.0 0-3	
	SMBus		
SATA 0-1		PCIe 6-7	
SATA 2-3		DDI 0-2	
AC'97/HD Audio	I2C		
USB 2.0 0-7			
Express Card			
PCIe 0-5		PEG 0-15	
LVDS A/eDP	LVDS B		
SPI	VGA		
SER0	Reserved		
VCC 12V			
VCC 12V		VCC 12V	

R3.0 Type 7			
Row AB		Row CD	
GbE0 IEEE1588 Support	LPC/eSPI	USB 3.0 0-3	
	SMBus		
SATA 0-1		PCIe 6-7	
PCIe 14-15		10G KR 0-3	
Reserved	I2C		
PCIe 12-13			
USB 2.0 0-3 USB0 Client Support		PCIe 16-31 (PEG) Rapid Shutdown Support (C67#) Change D97# from PEG_ENABLE# to RSVD	
Reserved			
PCIe 0-5			
PCIe 8-11			
SPI	NCSI		
SER0			
VCC 12V		VCC 12V	

Means-Difference

Means-New added function

1. Add eSPI
2. Add IEEE1588
3. Add USB0 Client Support
4. Add Rapid Shutdown Support
5. Add 8 PCIe lanes
6. Add NCSI
7. Add 10G KR 0-3

1. Remove DDI 0-2
2. Remove LVDS A/eDP
3. Remove LVDS B
4. Remove VGA
5. Remove SATA 2-3
6. Remove USB 2.0 4-7
7. Remove AC'97/HD Audio
8. Remove Express Card
9. Remove PEG_ENABLE# (D97#)

R3.0 Type 6 vs R3.0 Type 7

R3.0 Type 6			
Row AB		Row CD	
GbE0 IEEE1588 Support	LPC/eSPI SMBus	USB 3.0 0-3	
SATA 0-1		PCIe 6-7	
SATA 2-3		DDI 0-2	
HD Audio	I2C		
USB 2.0 0-7 USB0 Client Support		PEG 0-15 Rapid Shutdown Support (C67#)	
Reserved			
PCIe 0-5			
LVDS A/ eDP	LVDS B		
SPI	VGA		
SER0	Reserved		
VCC 12V		VCC 12V	

R3.0 Type 7			
Row AB		Row CD	
GbE0 IEEE1588 Support	LPC/eSPI SMBus	USB 3.0 0-3	
SATA 0-1		PCIe 6-7	
PCIe 14-15		10G KR 0-3	
Reserved	I2C		
PCIe 12-13		PCIe 16-31 (PEG) Rapid Shutdown Support (C67#) Change D97# from PEG_ENABLE# to RSVD	
USB 2.0 0-3 USB0 Client Support			
Reserved			
PCIe 0-5			
PCIe 8-11			
SPI	NCSI		
SER0			
VCC 12V		VCC 12V	

Means-Difference

Means-New added function

1. Add 8 PCIe lanes
2. Add NCSI
3. Add 10G KR 0-3

1. Remove DDI 0-2
2. Remove LVDS A/eDP
3. Remove LVDS B
4. Remove VGA
5. Remove SATA 2-3
6. Remove USB 2.0 4-7
7. Remove HD Audio
8. Remove PEG_ENABLE# (D97#)

R2.1 Type 10 vs R3.0 Type 10

R2.1 Type 10	
Row AB	
GbE0	LPC
	SMBus
SATA 0-1	
USB 3.0 0-1	
AC'97/HD Audio	I2C
USB 2.0 0-7	
Express Card	
PCIe 0-3	
LVDS A/eDP	DDIO
SPI	
SER0	
VCC 12V	

R3.0 Type 10	
Row AB	
GbE0 IEEE1588 Support	LPC/eSPI
	SMBus
SATA 0-1	
USB 3.0 0-1	
HD Audio	I2C
USB 2.0 0-7 USB0 Client Support USB7 Client Support	
Reserved	
PCIe 0-3	
LVDS A/eDP	DDIO
SPI	
SER0	
VCC 12V	

Means-Difference

Means-New added function

1. Add eSPI
2. Add IEEE1588
3. Add USB0/7 Client Support

1. Remove Express card
2. Remove AC'97