

Table 5-8. API format for ZigBee I/O Data Sample Rx Indicator

Frame fields		Offset	Example	Description	
Start delimiter		0	0x7E		
Length		MSB 1	0x00	Number of bytes between the length and the checksum.	
		LSB 2	0x14		
Frame-specific data	Frame type	3	0x92		
		MSB 4	0x00		
		5	0x13		
	64-bit source address	6	0xA2		
		7	0x00	64-bit address of sender.	
		8	0x40		
		9	0x52		
		10	0x2B		
		LSB 11	0xAA		
		16-bit source network address	MSB 12	0x7D	16-bit address of sender.
	LSB 13		0x84		
	Receive options		14	0x01	0x01 – Packet acknowledged.
				0x02 – Packet was a broadcast packet.	
	Number of samples		15	0x01	Number of sample sets included in the payload. (Always set to 1.)
	Digital channel mask	16	0x00	Bit mask field that indicates which digital I/O lines on the remote have sampling enabled (if any).	
		17	0x1C		
	Analog channel mask		18	0x02	Bit mask field that indicates which analog I/O lines on the remote have sampling enabled (if any).
	Digital samples (if included)	19	0x00	If the sample set includes any digital I/O lines (digital channel mask > 0), these two bytes contain samples for all enabled digital I/O lines.	
		20	0x14		
					DIO lines that do not have sampling enabled return 0. Bits in these two bytes map the same as they do in the Digital Channels Mask field.
	Analog sample	21	0x02	If the sample set includes any analog input lines (analog channel mask > 0), each enabled analog input returns a 2-byte value indicating the A/D measurement of that input. Analog samples are ordered sequentially from AD0/DIO0 to AD3/DIO3, to the supply voltage.	
		22	0x25		
	Checksum		23	0xF5	0xFF – the 8-bit sum of bytes from offset 3 to this byte.