

Connection Status Device connected
Current Configuration 1
Speed High (480 Mbit/s)
Device Address 2
Number Of Open Pipes 5

Device Descriptor E1DA Cosmos ADC PCM32/384

Offset	Field	Size	Value	Description
0	bLength	1	12h	
1	bDescriptorType	1	01h	Device
2	bcdUSB	2	0200h	USB Spec 2.0
4	bDeviceClass	1	EFh	Miscellaneous
5	bDeviceSubClass	1	02h	Common Class
6	bDeviceProtocol	1	01h	Interface Association Descriptor
7	bMaxPacketSize0	1	40h	64 bytes
8	idVendor	2	2FC6h	
10	idProduct	2	6012h	
12	bcdDevice	2	0201h	2.01
14	iManufacturer	1	01h	"E1DA"
15	iProduct	1	02h	"E1DA Cosmos ADC PCM32/384"
16	iSerialNumber	1	03h	"CTUA181119A"
17	bNumConfigurations	1	01h	

Device Qualifier Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	0Ah	
1	bDescriptorType	1	06h	Device Qualifier
2	bcdUSB	2	0200h	USB Spec 2.0
4	bDeviceClass	1	EFh	Miscellaneous
5	bDeviceSubClass	1	02h	Common Class
6	bDeviceProtocol	1	01h	Interface Association Descriptor
7	bMaxPacketSize0	1	40h	64 bytes
8	bNumConfigurations	1	01h	
9	bReserved	1	00h	

Configuration Descriptor 1 Self Powered

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	02h	Configuration
2	wTotalLength	2	0152h	
4	bNumInterfaces	1	04h	
5	bConfigurationValue	1	01h	
6	iConfiguration	1	00h	
7	bmAttributes	1	C0h	Self Powered
	4..0: Reserved		...00000	
	5: Remote Wakeup		..0.....	No
	6: Self Powered		.1.....	Yes
	7: Reserved (set to one) (bus-powered for 1.0)		1.....	
8	bMaxPower	1	00h	0 mA

Interface Association Descriptor Audio

Offset	Field	Size	Value	Description
0	bLength	1	08h	
1	bDescriptorType	1	0Bh	Interface Association
2	bFirstInterface	1	00h	
3	bInterfaceCount	1	02h	
4	bFunctionClass	1	01h	Audio
5	bFunctionSubClass	1	00h	
6	bFunctionProtocol	1	20h	

7 iFunction 1 00h

Interface Descriptor 0/0 Audio, 0 Endpoints

Offset	Field	Size	Value	Description
0	bLength	1	09h	Interface
1	bDescriptorType	1	04h	
2	bInterfaceNumber	1	00h	
3	bAlternateSetting	1	00h	
4	bNumEndpoints	1	00h	Audio
5	bInterfaceClass	1	01h	
6	bInterfaceSubClass	1	01h	Audio Control
7	bInterfaceProtocol	1	20h	
8	iInterface	1	02h	"E1DA Cosmos ADC PCM32/384"

Audio Control Interface Header Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	09h	Audio Control Interface Header
1	bDescriptorType	1	24h	
2		7	01 00 02 04 40 00 00	

Unrecognized Audio Class-Specific Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	08h	Unrecognized Audio Class-Specific
1	bDescriptorType	1	24h	
2		6	0A 0F 03 07 00 00	

Audio Control Input Terminal Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	11h	Audio Control Input Terminal
1	bDescriptorType	1	24h	
2		15	02 0A 03 06 00 0F 02 03 00 00 00 00 00 00 00	

Audio Control Feature Unit Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	12h	Audio Control Feature Unit
1	bDescriptorType	1	24h	
2		16	06 0B 0A 0F 00 00 00 0C 00 00 00 0C 00 00 00 00	

Audio Control Output Terminal Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	0Ch	Audio Control Output Terminal
1	bDescriptorType	1	24h	
2		10	03 0D 01 01 00 0B 0F 00 00 00	

Interface Descriptor 1/0 Audio, 0 Endpoints

Offset	Field	Size	Value	Description
0	bLength	1	09h	Interface
1	bDescriptorType	1	04h	
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	00h	
4	bNumEndpoints	1	00h	Audio
5	bInterfaceClass	1	01h	
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	20h	
8	iInterface	1	05h	"Record Interface"

Interface Descriptor 1/1 Audio, 1 Endpoint

Offset	Field	Size	Value	Description
0	bLength	1	09h	Interface
1	bDescriptorType	1	04h	
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	01h	

4	bNumEndpoints	1	01h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	20h	
8	iInterface	1	00h	

Audio Streaming Interface Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	10h	
1	bDescriptorType	1	24h	Audio Streaming Interface
2		14	01 0D 05 01 01 00 00 00 02 03 00 00 00 00	

Audio Streaming Format Type Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	06h	
1	bDescriptorType	1	24h	Audio Streaming Format Type
2		4	02 01 02 10	

Endpoint Descriptor 82 2 In, Isochronous, 125 us

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	82h	2 In
3	bmAttributes	1	05h	Isochronous, Asynchronous, Data
	1..0: Transfer Type		.....01	Isochronous
	3..2: Sync Type		....01..	Asynchronous
	5..4: Usage Type		..00....	Data
	7..6: Reserved		00.....	
4	wMaxPacketSize	2	0308h	776 bytes
6	bInterval	1	01h	125 us

Audio Streaming Isochronous Audio Data Endpoint Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	08h	
1	bDescriptorType	1	25h	Audio Streaming Isochronous Audio Data Endpoint
2		6	01 00 00 00 00 00	

Interface Descriptor 1/2 Audio, 1 Endpoint

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	02h	
4	bNumEndpoints	1	01h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	20h	
8	iInterface	1	00h	

Audio Streaming Interface Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	10h	
1	bDescriptorType	1	24h	Audio Streaming Interface
2		14	01 0D 05 01 01 00 00 00 02 03 00 00 00 00	

Audio Streaming Format Type Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	06h	
1	bDescriptorType	1	24h	Audio Streaming Format Type
2		4	02 01 03 18	

Endpoint Descriptor 82 2 In, Isochronous, 125 us

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	82h	2 In
3	bmAttributes	1	05h	Isochronous, Asynchronous, Data
	1..0: Transfer Type		.....01	Isochronous
	3..2: Sync Type		....01..	Asynchronous
	5..4: Usage Type		..00....	Data
	7..6: Reserved		00.....	
4	wMaxPacketSize	2	0308h	776 bytes
6	bInterval	1	01h	125 us

Audio Streaming Isochronous Audio Data Endpoint Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	08h	
1	bDescriptorType	1	25h	Audio Streaming Isochronous Audio Data Endpoint
2		6	01 00 00 00 00 00	

Interface Descriptor 1/3 Audio, 1 Endpoint

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	03h	
4	bNumEndpoints	1	01h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	20h	
8	iInterface	1	00h	

Audio Streaming Interface Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	10h	
1	bDescriptorType	1	24h	Audio Streaming Interface
2		14	01 0D 05 01 01 00 00 00 02 03 00 00 00 00	

Audio Streaming Format Type Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	06h	
1	bDescriptorType	1	24h	Audio Streaming Format Type
2		4	02 01 04 20	

Endpoint Descriptor 82 2 In, Isochronous, 125 us

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	82h	2 In
3	bmAttributes	1	05h	Isochronous, Asynchronous, Data
	1..0: Transfer Type		.....01	Isochronous
	3..2: Sync Type		....01..	Asynchronous
	5..4: Usage Type		..00....	Data
	7..6: Reserved		00.....	
4	wMaxPacketSize	2	0308h	776 bytes
6	bInterval	1	01h	125 us

Audio Streaming Isochronous Audio Data Endpoint Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	08h	

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1      bDescriptorType 1 25h Audio Streaming Isochronous Audio Data
   e Endpoint
2      6 01 00 00 00 00 00

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Interface Descriptor 1/4 Audio, 1 Endpoint

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	04h	
4	bNumEndpoints	1	01h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	20h	
8	iInterface	1	00h	

Audio Streaming Interface Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	10h	
1	bDescriptorType	1	24h	Audio Streaming Interface
2		14	01 0D 05 01 00 00 00 80 02 03 00 00 00 00	

Audio Streaming Format Type Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	06h	
1	bDescriptorType	1	24h	Audio Streaming Format Type
2		4	02 01 04 20	

Endpoint Descriptor 82 2 In, Isochronous, 125 us

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	82h	2 In
3	bmAttributes	1	05h	Isochronous, Asynchronous, Data
	1..0: Transfer Type		.....01	Isochronous
	3..2: Sync Type		....01..	Asynchronous
	5..4: Usage Type		..00....	Data
	7..6: Reserved		00.....	
4	wMaxPacketSize	2	0308h	776 bytes
6	bInterval	1	01h	125 us

Audio Streaming Isochronous Audio Data Endpoint Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	08h	
1	bDescriptorType	1	25h	Audio Streaming Isochronous Audio Data Endpoint
2		6	01 00 00 00 00 00	

Interface Descriptor 2/0 HID, 2 Endpoints

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	02h	
3	bAlternateSetting	1	00h	
4	bNumEndpoints	1	02h	
5	bInterfaceClass	1	03h	HID
6	bInterfaceSubClass	1	00h	
7	bInterfaceProtocol	1	00h	
8	iInterface	1	07h	"HID Interface"

HID Descriptor

Offset	Field	Size	Value	Description
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0	bLength	1	09h	
1	bDescriptorType	1	21h	HID
2	bcdHID	2	0111h	1.11
4	bCountryCode	1	00h	
5	bNumDescriptors	1	01h	
6	bDescriptorType	1	22h	Report
7	wDescriptorLength	2	001Dh	29 bytes

Endpoint Descriptor 05 5 Out, Interrupt

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	05h	5 Out
3	bmAttributes	1	03h	Interrupt
	1..0: Transfer Type		.....11	Interrupt
	7..2: Reserved		000000..	
4	wMaxPacketSize	2	0008h	8 bytes
6	bInterval	1	00h	

Endpoint Descriptor 86 6 In, Interrupt, 32 ms

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	86h	6 In
3	bmAttributes	1	03h	Interrupt
	1..0: Transfer Type		.....11	Interrupt
	7..2: Reserved		000000..	
4	wMaxPacketSize	2	0008h	8 bytes
6	bInterval	1	09h	32 ms

Interface Descriptor 3/0 Vendor-Specific, 2 Endpoints

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	03h	
3	bAlternateSetting	1	00h	
4	bNumEndpoints	1	02h	
5	bInterfaceClass	1	FFh	Vendor-Specific
6	bInterfaceSubClass	1	F0h	
7	bInterfaceProtocol	1	00h	
8	iInterface	1	08h	"iAP Interface"

Endpoint Descriptor 07 7 Out, Bulk, 512 bytes

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	07h	7 Out
3	bmAttributes	1	02h	Bulk
	1..0: Transfer Type		.....10	Bulk
	7..2: Reserved		000000..	
4	wMaxPacketSize	2	0200h	512 bytes
6	bInterval	1	01h	

Endpoint Descriptor 88 8 In, Bulk, 512 bytes

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	88h	8 In
3	bmAttributes	1	02h	Bulk
	1..0: Transfer Type	10	Bulk
	7..2: Reserved		000000..	
4	wMaxPacketSize	2	0200h	512 bytes

6	bInterval	1	01h
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Interface Descriptor 0/0 Audio, 0 Endpoints

Audio Control Interface Header Descriptor

Audio Control Input Terminal Descriptor

Audio Control Feature Unit Descriptor

Audio Control Output Terminal Descriptor

Audio Control Input Terminal Descriptor

Audio Control Feature Unit Descriptor

1	bDescriptorType	1	24h	Audio Control Feature Unit
2		8	06 0B 0A 01 03 02 02 00	

Audio Control Output Terminal Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	24h	Audio Control Output Terminal
2		7	03 0D 01 01 00 0B 00	

Interface Descriptor 1/0 Audio, 0 Endpoints

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	00h	
4	bNumEndpoints	1	00h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	00h	
8	iInterface	1	04h	

Interface Descriptor 1/1 Audio, 1 Endpoint

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	01h	
4	bNumEndpoints	1	01h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	00h	
8	iInterface	1	00h	

Audio Streaming Interface Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	07h	
1	bDescriptorType	1	24h	Audio Streaming Interface
2		5	01 01 01 01 00	

Audio Streaming Format Type Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	0Eh	
1	bDescriptorType	1	24h	Audio Streaming Format Type
2		12	02 01 02 02 10 02 44 AC 00 80 BB 00	

Endpoint Descriptor 01 1 Out, Isochronous, 125 us

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	01h	1 Out
3	bmAttributes	1	09h	Isochronous, Adaptive, Data
	1..0: Transfer Type		.....01	Isochronous
	3..2: Sync Type		....10..	Adaptive
	5..4: Usage Type		..00....	Data
	7..6: Reserved		00.....	
4	wMaxPacketSize	2	00F0h	240 bytes
6	bInterval	1	01h	125 us
7	bRefresh	1	00h	
8	bSynchAddress	1	00h	

Audio Streaming Isochronous Audio Data Endpoint Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	07h	

1	bDescriptorType	1	25h	Audio Streaming Isochronous Audio Data Endpoint
2		5	01 01 00 01 00	

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	00h	Should be one greater than the alternate setting number of the previous interface descriptor
4	bNumEndpoints	1	00h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	00h	
8	iInterface	1	05h	"Record Interface"

Interface Descriptor 1/1 Audio, 1 Endpoint

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	04h	Interface
2	bInterfaceNumber	1	01h	
3	bAlternateSetting	1	01h	
4	bNumEndpoints	1	01h	
5	bInterfaceClass	1	01h	Audio
6	bInterfaceSubClass	1	02h	Audio Streaming
7	bInterfaceProtocol	1	00h	
8	iInterface	1	00h	

Audio Streaming Interface Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	07h	Audio Streaming Interface
1	bDescriptorType	1	24h	
2		5	01 0D 01 01 00	

Audio Streaming Format Type Descriptor

Offset	Field	Size	Value	Description
0	bLength	1	0Eh	Audio Streaming Format Type
1	bDescriptorType	1	24h	
2		12	02 01 02 02 10 02 44 AC 00 80 BB 00	

Endpoint Descriptor 82 2 In, Isochronous, 125 us

Offset	Field	Size	Value	Description
0	bLength	1	09h	
1	bDescriptorType	1	05h	Endpoint
2	bEndpointAddress	1	82h	2 In
3	bmAttributes	1	09h	Isochronous, Adaptive, Data
	1..0: Transfer Type		.....01	Isochronous
	3..2: Sync Type		....10..	Adaptive
	5..4: Usage Type		..00....	Data
	7..6: Reserved		00.....	
4	wMaxPacketSize	2	00C4h	196 bytes
6	bInterval	1	01h	125 us
7	bRefresh	1	00h	

Audio Streaming Isochronous Audio Data Endpoint Descriptor

0	bLength	1	07h
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2 5 01 01 00 00 00

Raw Data

06 00 FF

09 01

A1 01

19 01

29 01

15 00

26 FF 00

75 08

95 07

81 02

75 08

95 07

91 01

C0