iWRAP firmware versions and supported features

		iWRAP 5.6.0 build 1022 <i>Generic</i>	iWRAP 5.6.0 build 1055 <i>iAP</i>	iWRAP 6.1.0 build 1022 <i>Generic</i>	iWRAP 6.1.0 build 1055 <i>iAP</i>	iWRAP 6.1.0 build 1024 aptX®	iWRAP 6.1.0 build 1029 aptX® Low Latency	iWRAP 6.1.0 build 1025 <i>CVC5</i>
Marching code Al56 Al56 AP Al61 AP Al61-APTX N/A N/A N/A	Firmware ordering code							
WT32	_	AI56	AI56IAP	Al61	AI61IAP	AI61-APTX	N/A	N/A
WT111	Supported hardware							
WT110	WT32i	-	-	Yes	Yes	Yes	Yes	Yes
Mut12	WT41u	Yes	Yes	-	-	-	-	-
	WT11u	Yes	Yes	-	-	-	-	-
New Signature Sceure Simple Pairing Yes	WT12	Yes	Yes	-	-	-	-	-
Secure Simple Pairing Max connections ACI Commands ACI Commands Max connections ACI Commands ACI Com	Bluetooth stack features							
Max connections AsCil commands Host AP Host AP Host Interfaces Encryption Sof 128-bits Sof 128-bits Host Interfaces Commands Host Interfaces Host Interface Host In	Version	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Host API	Secure Simple Pairing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Host interfaces LUART S6/128-bits 56/128-bits	Max connections	7	7	6	6	6	6	6
Semant S	Host API	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands
Supported profiles Yes	Host interfaces	UART	UART	UART	UART	UART	UART	UART
SPP	Encryption	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits
OBEX OPPI¹S Yes Yes <th< td=""><td>Supported profiles</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Supported profiles							
OBEX FTPI? Yes	SPP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DUN S	OBEX OPP ⁽¹	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HIDI	OBEX FTP ⁽²	Yes	Yes	Yes	Yes	Yes	Yes	Yes
A2DP	DUN ⁽³	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HFP	HID ⁽⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HSP	A2DP	-	-	Yes	Yes	Yes	Yes	Yes
AVRCP	HFP	Yes	Hands-free	Yes	Hands-free	Yes	Yes	Yes
PBAPIS Yes Yes<	HSP	Yes	-	Yes	Yes	Yes	Yes	Yes
HDP	AVRCP	-	-	Yes	Yes	Yes	Yes	Yes
DI	PBAP ⁽⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAP ⁽⁷⁾ Yes Yes Yes Yes Yes Yes Yes Yes Yes Aps Aps Aps Yes Ye	HDP	Yes	-	Yes	-	-	-	-
Apple iAP support ¹⁶ - iAP1 and iAP2 -	DI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over-the-Air configuration(* BGIO(*) Yes	MAP ⁽⁷	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Figure F	Apple iAP support ⁽⁶	-	iAP1 and iAP2	-	iAP1 and iAP2	-	-	-
Blood pressure monitor Yes - Yes - - - - - - - - -	Over-the-Air configuration(*	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Blood pressure monitor Yes - Yes - - - - - - -	BGIO ^{(*}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Blood glucose	IEEE agents (for HDP)							
Weight scale Yes - Yes -	Blood pressure monitor	Yes	-	Yes	-	-	-	-
Pulse oximeter Yes - Yes -	Blood glucose	Yes	-	Yes	-	-	-	-
Thermometer Yes - Yes -	Weight scale	Yes	-	Yes	-	-	-	-
Audio features CVC echo cancellation(+ aptX audio codec(+ aptX low-latency codec(+ AAC audio codec(+ mSBC (Wide-Band Speech) Bluetooth qualification	Pulse oximeter	Yes	-	Yes	-	-	-	-
CVC echo cancellation $^{(+)}$ Yes aptX audio codec $^{(+)}$ Yes Yes Yes - aptX low-latency codec $^{(+)}$ Yes Yes Yes Yes Yes Yes MSBC (Wide-Band Speech) Yes	Thermometer	Yes	-	Yes	-	-	-	-
aptX audio codec ⁽⁺ aptX low-latency codec(+ AAC audio codec ⁽⁺	Audio features							
aptX low-latency codec(+ Yes AAC audio codec ⁽⁺ Yes	CVC echo cancellation(+	-	-	-	-	-	-	Yes
AAC audio codec ⁽⁺ Yes Yes Yes Yes Yes Yes Yes MSBC (Wide-Band Speech) Yes Yes Yes Yes Yes Yes Yes Yes Bluetooth qualification	aptX audio codec ⁽⁺	-	-	-	-	Yes	Yes	-
mSBC (Wide-Band Speech) Yes Yes Yes Yes Yes Yes Bluetooth qualification	aptX low-latency codec(+	-	-	-	-	-	Yes	-
Bluetooth qualification	AAC audio codec ⁽⁺	-	-	Yes	Yes	Yes	Yes	Yes
·	mSBC (Wide-Band Speech)	-	-	Yes	Yes	Yes	Yes	Yes
QDID 37931 37931 56758 56758 56758 56758 56758	Bluetooth qualification							
	QDID	37931	37931	56758	56758	56758	56758	56758

- 1) OPP server only
- 2) FTP client only
- 3) DUN terminal only
- 4) HID device only
- 5) PBAP client only

- 6) Delivered only to Apple MFi licensees. Please contact <u>www.silabs.com/support</u>
- 7) MAP client only
- *) Bluegiga proprietary profiles
- +) Requires an extra license. Please contact us, using contact form at www.silabs.com/support aptX low latency onyl supports A2DP source mode

For any other firmware version contact us, using contact form at www.silabs.com/support

iWRAP firmware versions and supported features

	iWRAP 5.7.0 build 1118 <i>Generic</i>	iWRAP 5.7.0 build 1119 <i>iAP</i>	iWRAP 6.2.0 build 1118 <i>Generic</i>	iWRAP 6.2.0 build 1119 <i>iAP</i>	iWRAP 6.2.0 build 1120 aptX®	iWRAP 6.2.0 build 1122 aptX® Low Latency	iWRAP 6.2.0 build 1121 <i>CVC5</i>
Firmware ordering code					· ·		
Ordering code	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Supported hardware							
WT32i	-	-	Yes	Yes	Yes	Yes	Yes
WT41u	Yes	Yes	-	-	-	-	-
WT11u	Yes	Yes	-	-	-	-	-
WT12	Yes	Yes	-	-	-	-	-
Bluetooth stack features							
Version	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Secure Simple Pairing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Max connections	7	7	5	5	5	5	5
Host API	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands
Host interfaces	UART	UART	UART	UART	UART	UART	UART
Encryption	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits
Supported profiles							
SPP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OBEX OPP ⁽¹	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OBEX FTP ⁽²	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DUN ⁽³	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HID ⁽⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes
A2DP	-	-	Yes	Yes	Yes	Yes	Yes
HFP	Yes	Hands-free	Yes	Hands-free	Yes	Yes	Yes
HSP	Yes	-	Yes	Yes	Yes	Yes	Yes
AVRCP	-	-	Yes	Yes	Yes	Yes	Yes
PBAP ⁽⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDP	Yes	-	Yes	-	-	-	-
DI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAP ⁽⁷	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Apple iAP support ⁽⁶	-	iAP1 and iAP2	-	iAP1 and iAP2	-	-	-
Over-the-Air configuration(*	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BGIO ^{(*}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IEEE agents (for HDP)	.,		.,				
Blood pressure monitor	Yes	-	Yes	-	-	-	-
Blood glucose	Yes	-	Yes	-	-	-	-
Weight scale	Yes	-	Yes	-	-	-	-
Pulse oximeter	Yes	-	Yes	-	-	-	-
Thermometer	Yes	-	Yes	-	-	-	-
Audio features							Vaa
CVC echo cancellation(+	-	-	-	-	- V	- V	Yes
aptX audio codec(+	-	-	-	-	Yes	Yes	-
aptX low-latency codec(+	-	-	- V	- V	- V	Yes	- Va -
AAC audio codec ⁽⁺	-	-	Yes	Yes	Yes	Yes	Yes
mSBC (Wide-Band Speech)	-	-	Yes	Yes	Yes	Yes	Yes
Bluetooth qualification	27021	27021	E67F0	E67F0	E67F0	E67F0	E67E0
QDID	37931	37931	56758	56758	56758	56758	56758

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iWRAP firmware versions and supported features

	iWRAP 5.0.2 build 992 <i>Generic</i>	iWRAP 5.0.2 build 994 <i>Audio Source</i>	iWRAP 5.0.2 build 993 <i>iAP</i>	iWRAP 5.0.2 build 997 aptX®	iWRAP 5.0.2 build 998 aptX® Source	iWRAP 5.0.2 build 996 <i>CVC5</i>
Firmware ordering code				·	-	
Ordering code	AI5	AI5S	AI5IAP	AI5-APTX	AI5S-APTX	N/A
Supported hardware						
WT32	Yes	Yes	Yes	Yes	Yes	Yes
Bluetooth stack features						
Version	3.0	3.0	3.0	3.0	3.0	3.0
Secure Simple Pairing	Yes	Yes	Yes	Yes	Yes	Yes
Max connections	6	6	6	6	6	6
Host API	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands
Host interfaces	UART	UART	UART	UART	UART	UART
Encryption	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits
Supported profiles						·
SPP	Yes	Yes	Yes	Yes	Yes	Yes
OBEX OPP ⁽¹	Yes	Yes	Yes	Yes	Yes	Yes
OBEX FTP ⁽²	Yes	Yes	Yes	Yes	Yes	Yes
DUN ⁽³	Yes	Yes	Yes	Yes	Yes	Yes
HID ⁽⁴	Yes	-	Yes	Yes	-	-
A2DP	A2DP sink	A2DP source	A2DP sink	A2DP sink	A2DP source	A2DP sink
HFP	Hands-free	Hands-free AG	Hands-free	Hands-free	Hands-free AG	Hands-free
HSP	Headset	Headset AG	-	Headset	Headset AG	Headset
AVRCP	Yes	Yes	Yes	Yes	Yes	Yes
PBAP ⁽⁵	Yes	-	Yes	Yes	-	Yes
HDP	-	-	-	-	-	-
DI	Yes	Yes	Yes	Yes	Yes	Yes
MAP ⁽⁷	Yes	-	Yes	Yes	-	Yes
Apple iAP support ⁽⁶	-	-	iAP1	-	-	-
Over-the-Air configuration ^{(*}	Yes	-	-	-	-	-
BGIO ^{(*}	Yes	-	-	-	-	-
IEEE agents (for HDP)						
Blood pressure monitor	-	-	-	-	-	-
Blood glucose	-	-	-	-	-	-
Weight scale	-	-	-	-	-	-
Pulse oximeter	-	-	-	-	-	-
Thermometer	-	-	-	-	-	-
Audio features						
CVC echo cancellation(+	-	-	-	-	-	Yes
aptX audio codec ⁽⁺	-	-	-	Yes	Yes	-
mSBC (Wide-Band Speech)	Yes	Yes	Yes	Yes	Yes	-
Bluetooth qualification						
QDID	37931	37931	37931	37931	37931	37931

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