

TENcom Trade - Tibbo Project System (TPS) Pricing Guide

WE RESERVE THE RIGHT TO AMEND PRICES AT ANY TIME

Valid from October 20th

For more information on the TPS visit <http://tibbo.com/tps/> and <http://tibbo.com/buy/tps.html>.

Useful Terms

Tibbit™	Tibbits (as in "Tibbo Bits") are blocks of prepackaged I/O functionality. Tibbits are housed in color-coded rectangular shells. Tibbits are divided into Tibbit modules ("M" devices) and Tibbit connectors ("C" devices). http://tibbo.com/tps/tibbits.html
TPP	Tibbo Project PCB is a motherboard with sockets for installing Tibbits. We currently offer two motherboard sizes – TPP2 (medium) and TPP3 (large). http://tibbo.com/tps/tpp.html
TPB	Tibbo Project Box is an enclosure for a Tibbo Project PCB. We offer three different enclosures – TPS2 (medium), TPS2L (medium, with LCD/keypad), and TPS3 (large). Tibbo Project Box kits can be purchased unassembled (as part sets) or fully assembled. http://tibbo.com/tps/tpb.html
VPK	Vibration Protection Kit. This is a metal plate that secures Tibbits on a TPP "motherboard" and within a Tibbo Project Box. The plate comes with special screws and rubber supports that additionally secure a GA1000 Wi-Fi add-on module (when present).
TPS	Tibbo Project System. Each System is based on a Tibbo Project PCB and MAY include a Tibbo Project Box and/or Tibbits. Tibbo Project Systems can be purchased unassembled (as part sets) or fully assembled.
Barebone TPS	Barebone Tibbo Project Systems do not include any Tibbits. It is your job to populate them with Tibbits you need. http://tibbo.com/buy/tps/tps.html
Custom TPS	Custom Tibbo Project Systems are defined using the online configurator tool . http://tibbo.com/buy/tps/tpc.html

Prices are in US\$ [ceny v KC jsou přepočítány kurzem KB devizy nákup v den objednání]

Modest quantity price for our Partners (for purchases in quantities of 10 units or higher)	Low quantity 6-9 units price for our Distributors.	Samples, low quantity, 1-5 units , Partners Price
US\$	US\$	US\$

Guide structure section-by-section

The [Tibbo Project Box Kits and Systems section](#) contains useful general information. Three subsequent sections provide pricing for our Tibbo Project PCBs, Tibbo Project Box Kits, and Tibbo Project Systems, grouped by size and form factor:

- [Size 2](#)
- [Size 2 with LCD/Keypad](#)
- [Size 3](#)

The [Tibbits section](#) lists the prices for all available Tibbit modules and connectors.

The [Individual Parts section](#) lists prices for all the parts you can purchase separately.

Tibbo Project Box kits and systems

This is an introductory page. Actual prices are listed separately for available form factors [2](#), [2L](#), and [3](#).

Tibbo Project PCB

TPPx	A Tibbo Project PCB (TPP) is the “motherboard” of a Tibbo Project System
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Unassembled Tibbo Project Box kits, retail packaging, and vibration protection

TPBx-KIT	TPBx-PACK	TPBx-VPK
Unassembled parts for TPBx	Unassembled parts for TPBx retail package	Unassembled vibration protection kit (VPK) for TPBx
<p>When you order this item you get all the parts needed to assemble a Tibbo Project Box (TPB). A TPB does NOT include a TPPx motherboard. All assembly must be performed by you.</p> <p>If you order more than one TPBx-KIT, the parts you receive will be grouped by type. That is, all top covers will be packed together, all bottom covers will be packed together, and so on.</p> <p>We will use cartons and plastic bags to pack the items. No retail packaging is included with this kit.</p>	<p>Ordering this item will get you all the parts that form our standard retail package.</p> <p>All assembly must be performed by you.</p> <p>If you order more than one TPBx-PACK, the parts you receive will be grouped by type. That is, all trays will be packed together, all labels will be packed together, and so on.</p> <p>Boxes will be delivered unassembled (flattened).</p> <p>We will use cartons and plastic bags to pack the items.</p>	<p>The vibration protection kit secures Tibbits on a TPP motherboard and within a Tibbo Project Box.</p> <p>We will use cartons and plastic bags to pack the items.</p>

Fully assembled Tibbo Project Box kits

TPBx	<p>Part by part, you get everything included in the TPBx-KIT + TPBx-PACK, but in a fully assembled and packaged condition. Since the TPBx-KITs include the necessary quantity of blank C1 Tibbit connector shells, the housing you receive will have no openings.</p> <p>Just like with the TPBx-KIT, this item doesn't include a TPPx motherboard.</p> <p>It is not possible to order fully assembled Tibbo Project Boxes without the retail packaging. This is because assembled Boxes must be properly protected for shipping. We throw in one Tibbit remover with every TPBx kit.</p>
TPBx-D	Same as the “TPBx” item above, but with the added DMK1000 DIN rail kit attached to the Tibbo Project Box.
TPBx-V	Same as the “TPBx” item above, but with the TPBx-VPK assembled into the Tibbo Project Box.
TPBx-VD	Same as the “TPBx” item above, but with both the DMK1000 and TPBx-VPK.

Fully assembled barebone Tibbo Project Systems (TPS)

TPSx	The difference with TPBx is that each TPSx additionally includes a TPPx motherboard. The systems are “barebone” because they do not include any Tibbits. We throw in one Tibbit remover with every TPSx shipped.
TPSx-D	Same as the “TPSx” item above, but with the added DMK1000 DIN rail kit attached to the Tibbo Project Box.
TPSx-V	Same as the “TPSx” item above, but with the TPBx-VPK assembled into the Tibbo Project Box.
TPSx-VD	Same as the “TPSx” item above, but with both the DMK1000 and TPBx-VPK.

Custom Tibbo Project Systems

<p>Custom Tibbo Project Systems are different from barebone systems in that they are defined using our online configurator. Nothing is fixed here, except that each such system is based on a Tibbo Project PCB (TPP). Everything else: the presence or absence of the housing (Tibbo Project Box), Tibbits used, and even the product name are defined by the user. Custom systems can be ordered unassembled or assembled, and with or without the retail packaging (assembled systems MUST be ordered with the retail packaging).</p> <p>As soon as the user creates a valid custom configuration using the online tool, this configuration becomes available in our online store. The item appears in the store under the name defined by the user.</p> <p>Users can share custom configurations with other users. There are also public projects visible to all site visitors. Tibbo moderates the list of public projects. In order to make his project public, the user must submit a request to Tibbo. Tibbo will then decide if the project has sufficient “public value”.</p> <p>Prices for custom configurations are calculated automatically. Configurations that specify the full assembly of the system incur an assembly fee. Fees depend on the form factor (2, 2L, or 3). Tibbo, at its discretion and/or at the customer's request may revise the configuration's price.</p> <p>We throw in one Tibbit remover with every custom TPS shipped.</p>

Size 2

Tibbo Project PCB

		10+	6-9 pc	1-5 pc
TPP2	Size 2 Tibbo Project PCB (the motherboard)	47	51	55

Unassembled Tibbo Project Box kits, retail packaging, and vibration protection

TPB2-KIT			TPB2-PACK			TPB2-VPK		
Unassembled parts for TPB2			Unassembled parts for TPB2 retail package			Unassembled vibration protection kit (VPK) for TPB2/TPB2L		
<ul style="list-style-type: none"> - top and bottom covers - right and left walls - LED light guide - back label - 2 paper inserts with transparent covers - MD/RST button PCB, - four main and four TPP screws - 7 blank Tibbit connector shells <p>Does NOT include the Tibbit remover</p>			<ul style="list-style-type: none"> - retail box - retail label - accessories box - tray - tray cover 			<ul style="list-style-type: none"> - the plate - 4 special screws - two rubber supports (for the GA1000) 		
17	19,50	22	4,6	5,2	6	10	11	13

Fully assembled Tibbo Project Box kits

TPB2	Fully assembled TPB2, in retail packaging (TPB2-PACK). Includes the Tibbit remover.	29	32	34
TPB2-V	Same as "TPB2" product above + TPB2-VPK vibration protection kit	40	43	47
TPB2-D	Same as "TPB2" product above + DMK1000 DIN rail kit	31	34	37
TPB2-VD	Same as "TPB2" product above + DMK1000 DIN rail kit + TPB2-VPK vibration protection plate	41	45	50

Fully assembled barebone Tibbo Project Systems (TPS)

TPS2	Fully assembled TPB2 + TPP2, without Tibbits, in retail packaging (TPB2-PACK). Includes the Tibbit remover.	75	82	89
TPS2-V	Same as "TPS2" product above + TPB2-VPK vibration protection kit	88	95	103
TPS2-D	Same as "TPS2" product above + DMK1000 DIN rail kit	78	85	93
TPS2-VD	Same as "TPS2" product above + DMK1000 DIN rail kit + TPB2-VPK vibration protection kit	90	97	106

Assembly Fees for Custom Tibbo Project Systems

The following extra charges apply if the TPS2 system is ordered with full assembly (note that it is possible to order custom Tibbo Project Systems unassembled):	6,5	7	8
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Size 2 With LCD and keypad

Tibbo Project PCB

		10+	6-10 pc	1-5 pc
TPP2	Size 2 Tibbo Project PCB (the motherboard)	47	51	55

Unassembled Tibbo Project Box kits, retail packaging, and vibration protection

TPB2L-KIT			TPB2L-PACK			TPB2-VPK		
Unassembled parts for TPB2			Unassembled parts for TPB2 retail package			Unassembled vibration protection kit (VPK) for TPB2/TPB2L		
<ul style="list-style-type: none"> - top and bottom covers - right and left walls - LED light guide - back label - faceplate - 320x240 TFT LCD, LCD cable - Keypad PCB with cable, - adhesive sheet for the keypad PCB - MD/RST button PCB, - four main and four TPP screws - 7 blank Tibbit connector shells <p>Does NOT include the Tibbit remover</p>			<ul style="list-style-type: none"> - retail box - retail label - accessories box - tray - tray cover 			<ul style="list-style-type: none"> - the plate - 4 special screws - two rubber supports (for the GA1000) 		
78	85	93	4,6	5,2	6	10	11,50	13

Fully assembled Tibbo Project Box kits

TPB2L	Fully assembled TPB2L, in retail packaging (TPB2L-PACK). Includes the Tibbit remover.	96	101	107
TPB2L-V	Same as "TPB2L" product above + TPB2-VPK vibration protection kit	109	115	121
TPB2L-D	Same as "TPB2L" product above + DMK1000 DIN rail kit	97	102	110
TPB2L-VD	Same as "TPB2L" product above + DMK1000 DIN rail kit + TPB2-VPK vibration protection kit	110	116	124

Fully assembled barebone Tibbo Project Systems (TPS)

TPS2L	Fully assembled TPB2L + TPP2, without Tibbits, in retail packaging (TPB2-PACK). Includes the Tibbit remover.	145	153	163
TPS2L-V	Same as "TPS2L" product above + TPB2-VPK vibration protection kit	153	162	176
TPS2L-D	Same as "TPS2L" product above + DMK1000 DIN rail kit	146	154	166
TPS2L-VD	Same as "TPS2L" product above + DMK1000 DIN rail kit + TPB2-VPK vibration protection kit	154	163	179

Assembly Fees for Custom Tibbo Project Systems

The following extra charges apply if the TPS2L system is ordered with full assembly (note that it is possible to order custom Tibbo Project Systems unassembled):	6,5	7	8
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Size 3

Tibbo Project PCB

		10+	6-10 pc	1-5 pc
TPP3	Size 3 Tibbo Project PCB (the motherboard)	54	60	67

Unassembled Tibbo Project Box kits, retail packaging, and vibration protection

TPB3-KIT			TPB3-PACK			TPB3-VPK		
Unassembled parts for TPB3			Unassembled parts for TPB3 retail package			Unassembled vibration protection kit (VPK) for TPB3		
<ul style="list-style-type: none"> - top and bottom covers - right and left walls - LED light guide - back label - 2 paper inserts with transparent covers - MD/RST button PCB, - four main and four TPP screws - 15 blank Tibbit connector shells <p>Does NOT include the Tibbit remover</p>			<ul style="list-style-type: none"> - retail box - retail label - accessories box - tray - tray cover 			<ul style="list-style-type: none"> - the plate - 4 special screws - two rubber supports (for the GA1000) 		
25	27	30	4,6	5,2	6	12	13,50	15

Fully assembled Tibbo Project Box kits

TPB3	Fully assembled TPB3, in retail packaging (TPB3-PACK). Includes the Tibbit remover.	37	40	44
TPB3-V	Same as "TPB3" product above + TPB3-VPK vibration protection kit	49	54	59
TPB3-D	Same as "TPB3" product above + Two DMK1000 DIN rail kits	41	45	50
TPB3-VD	Same as "TPB3" product above + Two DMK1000 DIN rail kits + TPB3-VPK vibration protection plate	53	59	65

Fully assembled barebone Tibbo Project Systems (TPS)

TPS3	Fully assembled TPB3 + TPP3, without Tibbits, in retail packaging (TPB3-PACK). Includes the Tibbit remover.	99	105	113
TPS3-V	Same as "TPS3" product above + TPB3-VPK vibration protection kit	111	117	127
TPS3-D	Same as "TPS3" product above + Two DMK1000 DIN rail kits (two are needed for DIN rail installation)	103	110	118
TPS3-VD	Same as "TPS3" product above + Two DMK1000 DIN rail kits (two are needed for DIN rail installation)+ TPB3-VPK vibration protection kit	117	124	133

Assembly Fees for Custom Tibbo Project Systems

The following extra charges apply if the TPS3 system is ordered with full assembly (note that it is possible to order custom Tibbo Project Systems unassembled):	12,50	14	16
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Tibbit Modules and Connectors

See http://tibbo.com/tps/tibbits/available_tibbits.html for more info

		10+	6-10 pc	1-5 pc
#00-1	Four direct I/O lines	1,75	2	2
#00-2	Three direct I/O lines and ground	1,75	2	2
#00-3	Two direct I/O lines, +5V power, ground	1,75	2	2
#01	Four-line RS232 port	6.50	7	7,50
#02	RS232/422/485 port	17	18,50	20
#03-1	Two low-power relays (configuration 1)	9.50	10.50	11,50
#03-2	Two low-power relays (configuration 2)	9.50	10.50	11,50
#04-1	Two isolated inputs	4,90	5,20	5,50
#04-2	Three isolated inputs, common (-)	5,25	5,50	6
#04-3	Three isolated inputs, common (+)	5,25	5,50	6
#04-4	Four opto-inputs, common ground	6,25	6,50	7
#05	RS485 port	3,90	4,20	4,50
#06	Two high-power relays	10,20	11,25	12,50
#07	Two solid state relays	17	18,50	20
#08	Wiegand and clock/data reader port	7,50	8,25	9
#09	Low-power 5V supply, 12V input	5,25	5,50	6
#10	Medium-power 5V supply, 12V input	11,50	12,50	13,50
#11	Four open collector outputs	7,25	7,50	8
#12	Low-power +15/-15V power supply, 5V input.	24	26	28
#13	Four-channel ADC.	23	25	27
#14	Four-channel DAC.	13	14,50	16
#16	Three PWMs with open collector outputs.	10	11	12
#17	Three PWMs with power outputs.	11	12	13
#18	Power input (includes the terminal block plug)	1,75	2	2
#19	DB9M connector	2,15	2,30	2,5
#20	Nine terminal blocks (includes the terminal block plug)	5,25	5,50	6
#21	Four terminal blocks (includes the terminal block plug)	2,60	2,80	3
#23	Isolated PoE. Can be used as generic 48V power supply	31	35	39
#25	High-power 5V supply, 12/24/48V input	25	27	29
#28	Ambient light sensor.	11	12	13
#29	Temperature meter.	4,90	5,20	5,50
#30	Humidity and temperature meter.	21	22,50	25
#31	PIC coprocessor (ADC, PWM, serial, and more...)	9	10	11
#35	Barometric pressure sensor.	6,50	7	7,50
#36	3-axis accelerometer.	20	22	25
#37	RF Antenna	8	9	10
#38	Pushbutton	2	2.25	2,50
#39-1	Low-brightness large green LED	2,60	2,80	3
#39-2	High-brightness large red LED	2,60	2,80	3
#39-3	Low-brightness large yellow LED	2,60	2,80	3
#39-4	High-brightness large blue LED	2,60	2,80	3
#40-1	Digital potentiometer, 5KOhm	7	7,50	8

#40-2	Digital potentiometer, 10KOhm	7	7,50	8
#40-3	Digital potentiometer, 50KOhm	7	7,50	8
#40-4	Digital potentiometer, 100KOhm	7	7,50	8
#41	8-bit port (supplied with 200mm cable)	12	13	14
#42	High precision RTC and NVRAM with battery backup	17	18,50	20

Tibbits not shown above are not currently available. Ask us about the release date.

Individual Parts

See <http://tibbo.com/buy/tps/parts.html> for item images

		10+	6-10 pc	1-5 pc
PM01P1047	Top cover for TPB3	4,60	4,80	5
PM01P1054	Top cover for TPB2	3,60	3,80	4
PM01P1053	Top cover for TPB2L	2,60	2,80	3
PM01P1048	Bottom cover for TPB3	7	7,50	8
PM01P1055	Bottom cover for TPB2 and TPB2L	5,25	5,50	6
PM03P1018	Faceplate for TPB2L	6,25	6,50	7
PM01P1050	Left wall for TPB (all sizes)	1,75	2	2
PM01P1049	Right wall for TPB (all sizes)	1,75	2	2
PM06P1004	LED light guide for TPB (all sizes)	0,80	1	1
PM921008	Paper insert for TPB3, bottom row	0,50	0,50	0,50
PM921007	Paper insert for TPB3, top row	0,50	0,50	0,50
PM03P1019-01	Paper insert cover for TPB3, price for 2 (price per unit)	0,80	1	1 [0,50]
PM921010	Paper insert for TPB2, bottom row	0,50	0,50	0,50
PM921009	Paper insert for TPB2, top row	0,50	0,50	0,50
PM03P1020	Paper insert cover for TPB2, price for 2 (price per unit)	0,80	1	1 [0,50]
PM03P1016	Back label for TPB3	1,75	2	2
PM03P1017	Back label for TPB2	0,80	1	1
PA-PCB-P2164-00	MD/RST button PCB for TPB (all sizes)	3,10	3,30	3,50
LCD-P0005	3.5" 320x240 TFT LCD, with controller	41	45	50
WAS-P0036	LCD cable	1,75	2	2
PA-PCB-P2165-00	Keypad PCB for TPB2L, with cable	13	14	15
PM960005	3M adhesive sheet for PA-PCB-P2165 (keypad PCB)	0,50	0,50	0,50
SM3R5+32SPBC	Main screw for TPB (all sizes), price for 4 (price per unit)	0,50	0,50	0,50
SM2R6+05SPNC	Small screw for TPP, price for 4 (price per unit)	0,50	0,50	0,50
PM02S1009	Vibration protection plate for TPB3	9	10	11
PM02S1010	Vibration protection plate for TPB2 and TPB2L	8	9	10
PM02S1010	Vibration protection plate screw, price for 4 (price per unit)	3,60	3,80	4
PM09R1017	Rubber support 1 for vibration protection plates (all sizes)	0,50	0,50	0,50

PM09R1018	Rubber support 2 for vibration protection plates (all sizes)	0,50	0,50	0,50
PM911018	Retail package box for TPS/TPB (all sizes) or Tibbits	2,15	2,30	2,50
PM911019	Accessories box for TPS/TPB retail package	1,30	1,50	1,50
PM921014	Retail package label for TPS3 or TPB3	0,50	0,50	0,50
PM921012	Retail package label for TPS2 or TPB2	0,50	0,50	0,50
PM921011	Retail package label for TPS2L or TPB2L	0,50	0,50	0,50
PM921013	Retail package label for Tibbits	0,50	0,50	0,50
PM07P1010	Transparent tray cover for TPS/TPB retail package	0,80	1	1
PM07P1011	Package tray for TPS3/TPB3	0,80	1	1
PM07P1012	Package tray for TPS2/TPS2 or TPS2L/TPB2L	0,80	1	1
PM07P1009	Transparent tray cover for Tibbit retail package	0,80	1	1
PM07P1013	Package tray for Tibbits	0,80	1	1
PM901035	Filler board for Tibbit retail package	0,50	0,50	0,50
PM05P1014-01	Tibbit remover	1,75	2	2
PM01P1045-01	M1S Tibbit shell, green	0,50	0,50	0,50
PM01P1045-02	M1S Tibbit shell, purple	0,50	0,50	0,50
PM01P1045-03	M1S Tibbit shell, white	0,50	0,50	0,50
PM01P1045-04	M1S Tibbit shell, blue	0,50	0,50	0,50
PM01P1045-05	M1S Tibbit shell, yellow	0,50	0,50	0,50
PM01P1046-04	M2S Tibbit shell, blue	0,50	0,50	0,50
PM01P1046-05	M2S Tibbit shell, yellow	0,50	0,50	0,50
PM01P1058-02	M1T Tibbit shell, purple	0,50	0,50	0,50
PM01P1058-05	M1T Tibbit shell, yellow	0,50	0,50	0,50
PM01P1059-02	M2T Tibbit shell, purple	0,50	0,50	0,50
PM01P1059-05	M2T Tibbit shell, yellow	0,50	0,50	0,50
PM12P1001-03	C1 Tibbit shell, orange, blank version	0,50	0,50	0,50
PM12P1001-01	C1 Tibbit shell, orange, RF connector version	0,50	0,50	0,50
PM12P1001-06	C1 Tibbit shell, orange, four terminal blocks version	0,50	0,50	0,50
PM12P1002-01	C2 Tibbit shell, orange, nine terminal block version	0,50	0,50	0,50
PM12P1002	C2 Tibbit shell, orange, DB9 version	0,50	0,50	0,50
PM12P1001-05	C1 Tibbit shell, orange, power jack version	0,50	0,50	0,50
PM12P1001	C1 Tibbit shell, orange, high-voltage terminal block version	0,50	0,50	0,50
PM12P1001-04	C1 Tibbit shell, orange, environment sensing version	0,50	0,50	0,50