

Model	Products	Documents Link	User Manual
LA66	LoRaWAN module	https://www.dropbox.com/sh/z6daqv1gach8ce/AAAw_FjksNXD91bE3aJOmnta?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LA66%20LoRaWAN%20Module/
PG1302	LoRaWAN Multi-Channel Concentrator	https://www.dropbox.com/sh/f6nblhd1qbspya5/AACgL6pDkwdBQO1BQqq_Nubwa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/PG1302/
RS485-BL	LoRaWAN RS485/UART Converter	https://www.dropbox.com/sh/kv415xmwpxghk4y/AACySG8_5dMgeXfw7rSOIRQZa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/test/
LT-22222-L	LoRaWAN I/O controller	https://www.dropbox.com/sh/gxxmgks42tqfr3a/AACEdsj_mqzeoTOXARRlWYZ2a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LT-22222-L/
RS485-LN	RS485 /Modbus to LoRaWAN Converter	https://www.dropbox.com/sh/g7ak0jzyu3rbtpo/AAAcU1IHVlkm7WTKkwXr0Bga?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/RS485-LN%20E2%80%93%20RS485%20to%20LoRaWAN%20Converter/
LSN50/LSN50v2	LoRaWAN Sensor Node	https://www.dropbox.com/sh/djks7mr17y94mi/AABVIWbM9uzk9Oa3mXyAT10Za?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LSN50%20E2%26%20LSN50-V2%20-%20LoRaWAN%20Sensor%20Node%20User%20Manual/
PG1302	LoRaWAN Multi-Channel Concentrator	https://www.dropbox.com/sh/f6nblhd1qbspya5/AACgL6pDkwdBQO1BQqq_Nubwa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/PG1302/
HP0D	Helium Full Hotspot	https://www.dropbox.com/sh/z03ftk7v8xh02pv/AAApHoJkSUyOkSeVo1CFQVXa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/HP0D/
LPS8N	LoRaWAN Gateway	https://www.dropbox.com/sh/215vov4b34wpxnu/AAACejaLEj6UJ4Ugpmx_Daa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/LPS8N%20-%20LoRaWAN%20Gateway%20User%20Manual/
LG308N	LoRaWAN Gateway	https://www.dropbox.com/sh/mjize3vet8qfctk/AADM1YMHuQGjueAxMNVN7iwEa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/LG308N%20-%20LoRaWAN%20Gateway%20User%20Manual/
LPS8v2	LoRaWAN Gateway	https://www.dropbox.com/sh/aaawvc56yrgdswt/AADm8tdDokiU1jbuMFSg9eNta?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/HP0C/
DLOS8N	LoRaWAN Gateway	https://www.dropbox.com/sh/q9o5b7di5bnkeo/AADn_pWOI2Y7DJAQv1hKZCja?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/DLOS8N/
HP0A	LoRaWAN Gateway	https://www.dropbox.com/sh/1lubia5o169c451/AAABsNIMIKIVRPhqREvEAYja?dl=0	
LG01v2	LoRa Gateway	https://www.dropbox.com/sh/9jouugzur09rggf/AAAARsfaMwvo1nX-q5IQJKXva?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20All%20Gateway%20models/LG01v2/
LHT65N	LoRaWAN Temperature & Humidity Sensor	https://www.dropbox.com/sh/r2i3zihyrapvay/AAB1sZw3mdTK07XjpHCIT13a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LHT65N%20LoRaWAN%20Temperature%20%26%20Humidity%20Sensor%20User%20Manual/
LHT52	LoRaWAN Temperature & Humidity Sensor	https://www.dropbox.com/sh/ucqxi06ztaikx/AACXr_XyH4Cy7qevG29k4zqa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LHT52%20-%20LoRaWAN%20Temperature%20%26%20Humidity%20Sensor%20User%20Manual/
LSN50v2-D20_D22-D23	LoRaWAN Waterproof /Outdoor Temperature Sensor	https://www.dropbox.com/sh/z8tozdjt2r594u7/AAANLA3oUyhxumdX7pT16bG6a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LSN50v2-D20-D22-D23%20LoRaWAN%20Temperature%20Sensor%20User%20Manual/
N95S31B	NB-IoT Outdoor Temperature and Humidity Sensor	https://www.dropbox.com/sh/mlpd6i05boqva6f/AAABwAJLmttg7i--AyZcQkoua?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/N95S31B%20NB-IoT%20Temperature%20%26%20Humidity%20Sensor%20User%20Manual/
LSN50v2-S31_S31B	LoRaWAN Temperature & Humidity Sensor	https://www.dropbox.com/sh/w0by0jha8inigm8/AAAJ7WFEDE07e5mY1fdyUK-na?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LSN50v2-S31-S31B%20LoRaWAN%20Temperature%20%26%20Humidity%20Sensor%20User%20Manual/
LTC2	LoRaWAN Temperature Transmitter	https://www.dropbox.com/sh/hpbrgh3c9l1a4mx/AADepVbJFVOGfGfuYDNjOQra?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LTC2%20-%20LoRaWAN%20Temperature%20Transmitter%20User%20Manual/
GroPoint Air	LoRaWAN Multi Segment Soil Sensor Converter	https://www.dropbox.com/sh/p3n1ddms7xjpm2/AACdIXf7jvkrE6Y3V1_pVQxa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/GroPoint%20Air%20-%20LoRaWAN%20Multi%20Segment%20Soil%20Sensor%20Converter%20User%20Manual/
WSC1-L	Weather Station	https://www.dropbox.com/sh/7wa2elfm2q8xq4l/AA87ZB_gSVGrhmjEgU2lyTQNa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/Draino%20LoRaWAN%20Weather%20Station%20User%20Manual/
LSPH01	LoRaWAN Soil pH Sensor	https://www.dropbox.com/sh/jqeyby0l23w7rpt/AAC9bQKkQcFeRsQywSFrqOLja?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LSPH01-LoRaWAN%20Soil%20pH%20Sensor%20User%20Manual/
LLMS01	LoRaWAN Leaf Moisture Sensor	https://www.dropbox.com/sh/n60ue8vgrwlr9v8c/AACVa7VfyZ-mDQBOWuD_NMCva?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LLMS01-LoRaWAN%20Leaf%20Moisture%20Sensor%20User%20Manual/
NSE01	NB-IoT Soil Moisture & EC Sensor	https://www.dropbox.com/sh/351dwor6joz8nwh/AADn1BQaAAxLF_QMyU8NkW47a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/NSE01%20-%20NB-IoT%20Soil%20Moisture%20%26%20EC%20Sensor%20User%20Manual/
LSE01	LoRaWAN Soil Moisture & EC Sensor	https://www.dropbox.com/sh/ar6vproz4z4kzjz/AAAD48h3OyWUrU1hq_Cqm8lIwa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LSE01-LoRaWAN%20Soil%20Moisture%20%26%20EC%20Sensor%20User%20Manual/
CPL01	LoRaWAN Open/Close Dry Contact Sensor	https://www.dropbox.com/sh/r6f08e5nhvz9v9o/AAAC7_TJDy9-U6Zg8_-GG1fWca?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/CPL01%20LoRaWAN%20Outdoor%20PulseContact%20%20Sensor%20Manual/
CPN01	NB-IoT Open/Close Dry Contact Sensor	https://www.dropbox.com/sh/dvrmkrhx2fqpztr/AACcCjm7xUZAoumJMjZdvRva?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/CPN01-%20NB-IoT%20Outdoor%20OpenClose%20Dry%20Contact%20Sensor%20C2%20A0User%20Manual/
LDS03A	LoRaWAN Open/Close Door Sensor	https://www.dropbox.com/sh/gcslxgf9l7n4w1/AACTff4k-8o6FhiDviFIFtPa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LDS03A%20-%20Outdoor%20LoRaWAN%20OpenClose%20Door%20Sensor%20Manual/

NDS03A	NB-IoT Open/Close Door Sensor	https://www.dropbox.com/sh/hacq385w6ggnonr/AAC3D79GFGF1JdZUIzNegn2Ha?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/NDS03A%20-%20Outdoor%20NB-IoT%20OpenClose%20Door%20Sensor%20-%20Manual/
LDS02	LoRaWAN Door Sensor	https://www.dropbox.com/sh/h194pj8r2choe6/AAAJReiscqIMhSc_4ft5wEpa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LDS02%20-%20LoRaWAN%20Door%20Sensor%20User%20Manual/
NDS01	NB-IoT Door Sensor	https://www.dropbox.com/sh/e3ozbtzfja0ht4/AAJxK62x8pSai2NaKCY5Q0Da?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/NDS01%20-%20NB-IoT%20Door%20Sensor%20User%20Manual/
LWL02	LoRaWAN Water Leak Sensor	https://www.dropbox.com/sh/ozt1ck3ckqil7ma/AADCW96jwLlLaGGnH9jpleD9a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LWL02%20-%20LoRaWAN%20Door%20Sensor%20User%20Manual/
LWL03A	LoRaWAN None-Position Rope Type Water Leak Controller	https://www.dropbox.com/sh/8yxf508zlkhm778/AADGBHFxrP0BG1M4NMyyA6ZBa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LWL03A%20-%20LoRaWAN%20None-Position%20Rope%20Type%20Water%20Leak%20Controller%20User%20Manual/
SW3L	LoRaWAN Outdoor Flow Sensor	https://www.dropbox.com/sh/au3dwej0pze4wvn/AAD41hluH5s9IcvNogDOPEy7a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/SW3L%20LoRaWAN%20Outdoor%20Flow%20Sensor/
LMDS200	LoRaWAN Microwave Radar Distance Detection Sensor	https://www.dropbox.com/sh/9i1x0sott7fe2bj/AA9YypmM1-UldHpVm8oETtqa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LMDS200%20-%20LoRaWAN%20Microwave%20Radar%20Distance%20Sensor%20User%20Manual/
LDDS04	LoRaWAN 4-Channels Distance Detection Sensor	https://www.dropbox.com/sh/b7m56pg07zlbouz/AADqic_YDt5mBnqaq70XxA08a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LDDS04%20-%20LoRaWAN%204-Channels%20Distance%20Detection%20Sensor%20User%20Manual/
LDDS45	LoRaWAN Distance Detection Sensor	https://www.dropbox.com/sh/u16kekd1ggnpew/AAD14DIKGF14Qy-kWYXTw-Ga?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LDDS45%20-%20LoRaWAN%20Distance%20Detection%20Sensor%20User%20Manual/
LLDS12	LoRaWAN LiDAR ToF Distance Sensor	https://www.dropbox.com/sh/bwgzrmrtaqmjhoc/AAAg1iFaqcSqvX0825pC-H3a?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LLDS12-LoRaWAN%20LiDAR%20ToF%20Distance%20Sensor%20User%20Manual/
LLDS40	LoRaWAN LiDAR ToF Distance Sensor	https://www.dropbox.com/sh/3n1umf2jwf117k5/AADQkbcPGUN-2G9yq91g7kpza?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LLDS40-LoRaWAN%20LiDAR%20ToF%20Distance%20Sensor%20User%20Manual/
NDDS75	NB-IoT Distance Detection Sensor	https://www.dropbox.com/sh/aaq2xcl0bzfu0y4/AAAEHRA7Io_465ds4Y7-F3aa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/NDDS75%20NB-IoT%20Distance%20Detect%20Sensor%20User%20Manual/
LDDS20	LoRaWAN Liquid Level Sensor	https://www.dropbox.com/sh/2oe2xq6scri68q3/AA95Grmdc_mzDhSzkfrayaa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LDDS20%20-%20LoRaWAN%20Liquid%20Level%20Sensor%20User%20Manual/
LDDS75	LoRaWAN Distance Detection Sensor	https://www.dropbox.com/sh/d1j23dqt6uo8ye/AABP_V5phu44xtc6_o5x2pNka?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/LDDS75%20-%20LoRaWAN%20Distance%20Detection%20Sensor%20User%20Manual/
NBSN95/NBSN95A	NB-IoT Sensor Node	https://www.dropbox.com/sh/jao1xt9kw5r3yq4/AAAMpJkZzExF2JLbRWxGoQ9Na?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/NBSN95_NBSN95A%20NB-IoT%20Sensor%20Node%20User%20Manual/
TrackerD	LoRaWAN Tracker	https://www.dropbox.com/sh/4oiobuaaxjxhhuk/AADSJsm8X4oPvJjzIOAVvqKa?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/TrackerD/
BCN02	Bluetooth BLE iBeacon	https://www.dropbox.com/sh/x03fe6vqhkf8lc/AAC9FrySX_qOVAE2Xy0HCC3Ra?dl=0	http://wiki.dragino.com/xwiki/bin/view/Main/User%20Manual%20for%20LoRaWAN%20End%20Nodes/BCN02/
Marketing Material		https://www.dropbox.com/sh/r1g0zofjp1iqgg9/AAAHNP1hEwKlx2P403-4Lep2a?dl=0	
Shared Folder for all Dragino Products		https://www.dropbox.com/sh/sa4uitwn6xdku9u/AACUA890j5dl8rFTYO2icdBa?dl=0	

Gateway Models	LPS8N	LPS8v2	MS48-LR	DLOS8N	LG01v2
Photo:					
IoT Technology	LoRaWAN	LoRaWAN	LoRaWAN / RS485 / RS232	LoRaWAN	LoRa (Single Channel)
LoRaWAN Concentrator	SX1302	SX1302	SX1302	SX1302	SX1262
CPU/Flash/RAM	CPU:400mHz Flash: 16MB RAM: 64MB	CPU: Quad-core Cortex-A7 1.2Ghz RAM: 512MB eMMC: 4GB	CPU: Quad-core Cortex-A7 1.2Ghz RAM: 512MB eMMC: 4GB	CPU:400mHz Flash: 16MB RAM: 64MB	CPU: Quad-core Cortex-A7 1.2Ghz RAM: 512MB eMMC: 4GB
Linux System	OpenWrt	Armbian	Armbian	OpenWrt	Armbian
Configurable	Open Source	Open Source	Open Source	Open Source	Open Source
Built-In LoRaWAN Server	x	ChirpStack v4	ChirpStack v4	x	x
Built-In Application Server	x	Node_Red	Node_Red	x	Node_Red
Ethernet Ports	1	1	1	1	1
Input Power	5v,2A Type-C	5v,2A Type-C	12v, 1A , DC	12v,1A,DC; PoE	5v,2A Type-C
802.3af PoE	x	x	x	√	x
Indoor/Outdoor	Indoor	Indoor	Indoor	Outdoor	Indoor
Antenna Type	Stick	Stick	Stick	Fiber Glass	Stick
4G Option	√ [1]	√	√	√	√
Comment			LoRaWAN to RS485 Bridge		

[1] via mini-pcie Cellular module.
Changable