



ADDNICS Corporation

Japan · addnics.co.jp

7

PRODUCTS

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as of 20 August 2026

A large, faint, dark blue graphic in the bottom right corner, consisting of concentric circular arcs and a central circle, resembling a stylized eye or a satellite dish.

ADDNICS Corporation

Founded in 1998 in Hachioji, Tokyo, ADDNICS corp. (株式会社アドニクス) develops and manufactures wireless communication devices combining high-frequency and digital signal processing technology for the space industry. The company entered the space sector in 1999, supplying radio transmitters for JAXA aurora observation rockets. ADDNICS achieved its first satellite heritage in 2005 when its S-band telemetry transmitter flew on JAXA's Reimei aurora observation satellite. By 2014, six satellites had launched with ADDNICS communication systems, including SPRITE-SAT (2009), RISING-2 (2014), and an X-band transponder for the deep-space mission Procyon. Their systems have since been deployed on the Philippine microsatellites DIWATA-1 (2016) and DIWATA-2 (2018).

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Product catalogue



ADDNICS CORPORATION

A74 Series S-Band Telemetry Transmitter (STX)

Original ADDNICS S-band nanosatellite transmitter with QPSK/OQPSK modulation, first flown on SPRITE-SAT (2009).

Frequency Band	S-band (~2.2–2.3 GHz)
RF Output Power	0.1 W
Modulation	QPSK/OQPSK (Intelsat IESS-308)
Data Rate	Up to 100 kbps
Dimensions	95 x 50 x 20 mm
Mass	140 g
Mission Heritage	SPRITE-SAT / RISING (2009)

price on request



ADDNICS CORPORATION

A88 Series S-Band Receiver (A88 SRX)

Compact S-band uplink receiver for small satellite TT&C, 80x80x16 mm, 140 g max, covering -130 to -40 dBm input range with PCM-PSK-PM demodulation.

Frequency band	S-band (customer-specified at order)
Modulation	PCM-PSK-PM
Data rate	1 kbps or 4 kbps (selectable)
Input level range	-40 to -130 dBm
Receive sensitivity	-122 dBm at 1 kbps, BER=1e-4
Power consumption	max 1 W
Supply voltage	+5 V to +12 V

price on request



ADDNICS CORPORATION

A88 Series S-Band Telemetry Transmitter (STX)

S-band telemetry transmitter for micro/nano/CubeSat platforms with on-orbit heritage on RISING-2, HODOYOSHI, DIWATA-1/2.

Frequency	2250–2300 MHz (S-band)
RF Output Power	0.5 W
Modulation	BPSK
Data Rate	Up to 2 Mbps
Dimensions	80 x 80 x 15 mm
Mass	120 g
Mission Heritage	RISING-2 (2014), HODOYOSHI series, DIWATA-1 (2016), DIWATA-2 (2018)

price on request



ADDNICS CORPORATION

A88 Series X-Band Telemetry Transmitter (XTX)

X-band high-data-rate telemetry transmitter for small satellite mission data downlink, with DVB-S2 and transponder variants.

Frequency Band	X-band (~8–9 GHz)
Variants	XTX (standard), XTX DVB-S2, X-TRP (transponder)
Mission Heritage	Procyon deep-space (2014), DIWATA-1 (2016), DIWATA-2 (2018)

price on request



ADDNICS CORPORATION

UHF-Band Telemetry Transmitter (UHF Com)

Compact UHF-band transmitter for 1U CubeSats providing telemetry downlink in the 430–440 MHz band.

Frequency	430–440 MHz (adjustable)
RF Output Power	0.8 W
Modulation	GMSK, AFSK
Data Rate (GMSK)	9.6 kbps
Data Rate (AFSK)	1.2 kbps
Dimensions	70 x 40 x 14 mm

price on request



ADDNICS CORPORATION

X-Band TT&C Transponder (X-TRP)

Full-duplex X-band TT&C transponder combining uplink command reception and downlink telemetry transmission in a single 80x80 mm A88-series unit with approx. 1 W RF output.

Frequency band	X-band (customer-specified at order)
Uplink/Downlink ratio	880/749
Modulation	PCM-PSK-PM
Uplink subcarrier	16 kHz
Downlink subcarrier	8.192 kHz
Command bit rate	4-stage selectable
Telemetry bit rate	4-stage selectable

price on request



ADDNICS CORPORATION

XTX-DVBS2

The XTX-DVBS2 is an X-band transmitter designed for satellite operations, featuring DVB-S2 and CCSDS encoding with a transmission output of up to 0.4W.

Dimensions	80mmx80mmx49.5mm
Mass	Under 500 g
Transmit Power	~0.4W
Transmit Frequency	Single specified X-band frequency (fixed at order)
Channel Coding Standard	CCSDS, DVB-S2
Modulation	QPSK, 16-PSK
Symbol Rate	~50Msps

price on request

Contact ADDNICS Corporation

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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