



MIAX Sapphire™ Options Exchange

The option classes listed below will begin trading on the MIAX Sapphire Options Exchange at the start of trading on **Friday, January 24, 2025**. All option classes on MIAX Sapphire utilize Price-Time allocation.

Security Symbol	Security Name	Option Class	Penny Pilot	Exchange for Opening	Closing Time	Cloud
AMDY	YIELDMAX AMD OPTION INCOME STRATEGY ETF	AMDY	No	NYSE Arca	4:00	1
ARDT	ARDENT HEALTH PARTNERS, INC.	ARDT	No	NYSE	4:00	1
AVGX	DEFIANCE DAILY TARGET 2X LONG AVGO ETF	AVGX	No	NASDAQ	4:00	1
BDSX	BIODESIX, INC.	BDSX	No	NASDAQ	4:00	1
BNED	BARNES & NOBLE EDUCATION, INC.	BNED	No	NYSE	4:00	1
GCMG	GCM GROSVENOR INC.	GCMG	No	NASDAQ	4:00	3
JSPR	JASPER THERAPEUTICS INC	JSPR	No	NASDAQ	4:00	3
LAES	SEALSQ CORP.	LAES	No	NASDAQ	4:00	3
LFWD	Lifeward Ltd.	LFWD	No	NASDAQ	4:00	3
LNZA	LANZATECH GLOBAL INC.	LNZA	No	NASDAQ	4:00	3
MBOT	MICROBOT MEDICAL INC	MBOT	No	NASDAQ	4:00	4
MURA	MURAL ONCOLOGY PLC	MURA	No	NASDAQ	4:00	4
NMG	NOUVEAU MONDE GRAPHITE INC	NMG	No	NYSE	4:00	4
PTF	Invesco Dorsey Wright Technology Momentum ETF	PTF	No	NASDAQ	4:00	5
PTVE	PACTIV EVERGREEN, INC.	PTVE	No	NASDAQ	4:00	5
QQQM	INVESCO NASDAQ 100 ETF	QQQM	No	NASDAQ	4:00	5
QTTB	Q32 BIO INC.	QTTB	No	NASDAQ	4:00	5
QTUM	DEFIANCE QUANTUM ETF	QTUM	No	NASDAQ	4:00	5
SMLR	SEMLER SCIENTIFIC, INC.	SMLR	No	NASDAQ	4:00	5
TRVI	TREVI THERAPEUTICS, INC.	TRVI	No	NASDAQ	4:00	6



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Pilot	Exchange for Opening	Closing Time	Cloud
TSSI	TSS INC	TSSI	No	NASDAQ	4:00	6
UBRL	GRANITESHARES 2X LONG UBER DAILY ETF	UBRL	No	NASDAQ	4:00	6
USIO	USIO, INC.	USIO	No	NASDAQ	4:00	6
VOR	VOR BIOPHARMA, INC.	VOR	No	NASDAQ	4:00	6
XSHD	INVESCO S&P SMALLCAP HIGH DIV LOW VOLATILITY ETF	XSHD	No	CBOE BZX Exchange	4:00	6
YMAG	YIELDMAX MAGNIFICENT 7 FUND OF OPTION INCOME ETFS	YMAG	No	NYSE Arca	4:00	7

Please contact MIAX Sapphire Options Listings with any questions at Listings@miaxglobal.com or (609) 897-7308