

THERE'S SOMETHING FOR
EVERYONE
ON BURSAMALAYSIA



THE



**STRAIGHTFORWARD
GUIDE TO
INVESTING
AND TRADING**

WHAT ARE STRUCTURED WARRANTS?

Structured warrants are proprietary instruments issued by a third-party issuer, namely an eligible broker or financial institution, that give holders the right, but not the obligation, to buy or sell the underlying instrument in the future for a fixed price.

Structured warrants offer investors an alternative avenue to participate in the price performance of an underlying asset at a fraction of its price, in both bullish and bearish markets.

WHAT ARE THE TYPES OF STRUCTURED WARRANTS?

- **Call Warrants**

Call warrant is a listed security which gives the warrant holder the right but not the obligation to buy the underlying asset at a pre-determined exercise price within a pre-determined time period. Call warrant holders benefit from upside price movements in the underlying asset.

- **Put Warrants**

Put warrant is a listed security which gives the warrant holder the right but not the obligation to sell the underlying asset at a pre-determined exercise price within a pre-determined time period. Put warrant holders benefit from downward price movements in the underlying asset.

WHY INVEST IN STRUCTURED WARRANTS?

Leverage

Structured warrants allow investors to gain exposure to an underlying asset e.g. share or index at a fraction of the price of underlying instrument and provides cheaper entry to invest. For the same investment outlay, a structured warrant increases the exposure to the underlying asset, thus magnifying the possible returns.

Benefit from underlying upside/downside

- Call warrants - investors can benefit from increase price of underlying assets
- Put warrants - investors can benefit from falling price of underlying assets and also to hedge long positions on the underlying assets

Cash extraction

Investors can free up capital by buying the call warrants instead of the underlying assets, yet maintaining an equivalent level of exposure to the underlying assets.

Liquidity

All structured warrants listed on Bursa Malaysia have market makers to provide continuous bid/ask prices. Investors can buy and sell structured warrants anytime during the trading hours.

Access to diverse market

Structured warrants provide alternative avenues for investors to participate in local & foreign-listed equities, basket of shares e.g. ETFs and local & foreign market indices.

Limited downside losses

The feature of a structured warrant gives investors profit opportunity with loss limited to the amount paid for investing in the structured warrants. Potential gains however, can be unlimited for call warrants.










Lower cost







The transaction cost and commission is relatively lower as compared to share investment because of smaller capital outlay.

Company Warrant vs Structured Warrant

	Company Warrant	Structured Warrant
Issued by	Listed company	Eligible financial institution
Underlying asset	Shares of the company	Shares, Exchange Traded Funds, Indices
On exercise	Company will issue additional shares to meet obligations. This results in share dilution.	Does not result in dilution of the underlying shares
Maturity period	Up to 10 years	6 months to 5 years
Market Makers Presence	No	Yes
Settlement	The terms and conditions of warrants are defined by the issuers	
Stock Code	Quoted as xxx-Wx	Call Warrant: Quoted as xxx-Cx Put Warrant: Quoted as xxx-Hx

WHAT ARE THE FACTORS INFLUENCING THE PRICE OF STRUCTURED WARRANTS?

No.	Influencing Factors	Impact on Call Warrant Price	Impact on Put Warrant Price	Explanation
1	Underlying Asset Price 			<p>Call Warrant: When the underlying price moves higher, the greater the profit. The warrant becomes more valuable and hence, warrant price tends to rise.</p> <p>Put Warrant: The lower the underlying price, the greater the profit opportunity. As the underlying price goes lower, the profit potential increases and hence, the warrant price tends to rise.</p>
2	Time to Maturity (remaining life of a warrant) 			Greater flexibility and longer time opportunity accorded by a longer duration to maturity increases the value of the warrant and hence, its price.
3	Implied Volatility 			Indicates market expectations for the volatility of the underlying within a future period of time. The higher the implied volatility, the higher the expected volatility of the underlying price. Similarly, a lower implied volatility corresponds to a lower warrant price.

No.	Influencing Factors	Impact on Call Warrant Price	Impact on Put Warrant Price	Explanation
4	Interest Rate 			Movements of interest rate represent the funding cost involved in investing in warrants compared to the underlying instruments. When the interest rate increases, a call warrant implies funding cost savings compared to buying the underlying directly and hence, the call warrant becomes more valuable and thus, its price tends to rise. Conversely, a higher interest rate implies a lower price for a put warrant.
5	Dividend 			Issuer normally takes into account the expected dividend from the underlying in determining the issue price of a warrant. If the dividend payout is in line with investor's expectation, warrant price will be unaffected. However, if the dividend payout is more than expected, the underlying price will decline more than expected on ex-dividend date, and warrant price may immediately follow suit to decline (for call warrant) or rise (for put warrant).

FEATURES OF STRUCTURED WARRANTS

Underlying instrument - behind every warrant, there is an underlying instrument. On Bursa Malaysia, the underlying can be a share, basket of shares (e.g. ETF) or index.

Expiry / maturity date - the last date on which the warrant may be exercised. This runs from the date of issuance of the warrant until its expiry/maturity date which can range from 6 months to 5 years. A warrant is worthless if an investor holds it beyond the maturity date.

Exercise price - the agreed price to be paid, calculated based on the conversion ratio to exercise the warrant.

Exercise styles - typically, American or European styles. The American ones allow for the exercise flexibility anytime during the tenure of the structured warrants whilst the European style allows for exercise of the warrant only at the expiry/maturity date. Issuers prefer to list European style warrants in Malaysia.

Conversion ratio - number of warrants required to be at hand in exchange for each unit of the underlying instrument if the warrant is exercised.

Settlement methods - A warrant may be delivered in the form of the underlying or is cash settled. They are settled by transferring the underlying instrument to the investor's account whereas cash settled warrants are settled by a cash payment by the warrant issuer to the holder. Cash settlement is common in Malaysia.

WHAT ARE THE RISKS IN INVESTING IN **STRUCTURED WARRANTS?**

The underlying asset may fail to perform as you have expected and therefore, affecting the market value of the warrant.

When investing in trading warrants, the maximum amount at risk is your full investment (plus transaction costs) in the warrant.

The market value of a warrant is susceptible to other prevailing market forces including the demand and supply of the warrants.

Warrants have a fixed life span and they become worthless upon expiration.

Time decay i.e. time value diminishes as time goes by for a warrant. The rate of decay increases as the date of expiration gets closer.

GETTING READY TO TRADE STRUCTURED **WARRANTS**

How to prepare or improve your investment skills as a warrant investor

Remember that warrants are leveraged instruments.

Know both the Warrant and the Underlying Instrument.

Improve knowledge on warrants.

Have a view on market direction.

Determine your investment and risk horizon.

GETTING **STARTED**

How and where to start investing in structured warrants?

Structured warrants trade just like stocks, subject to the same trading, payment and settlement rules (T+3).

You need to open a CDS account and a trading account with a Participating Organisation i.e. a stockbroking firm registered in Malaysia, if you do not have one.

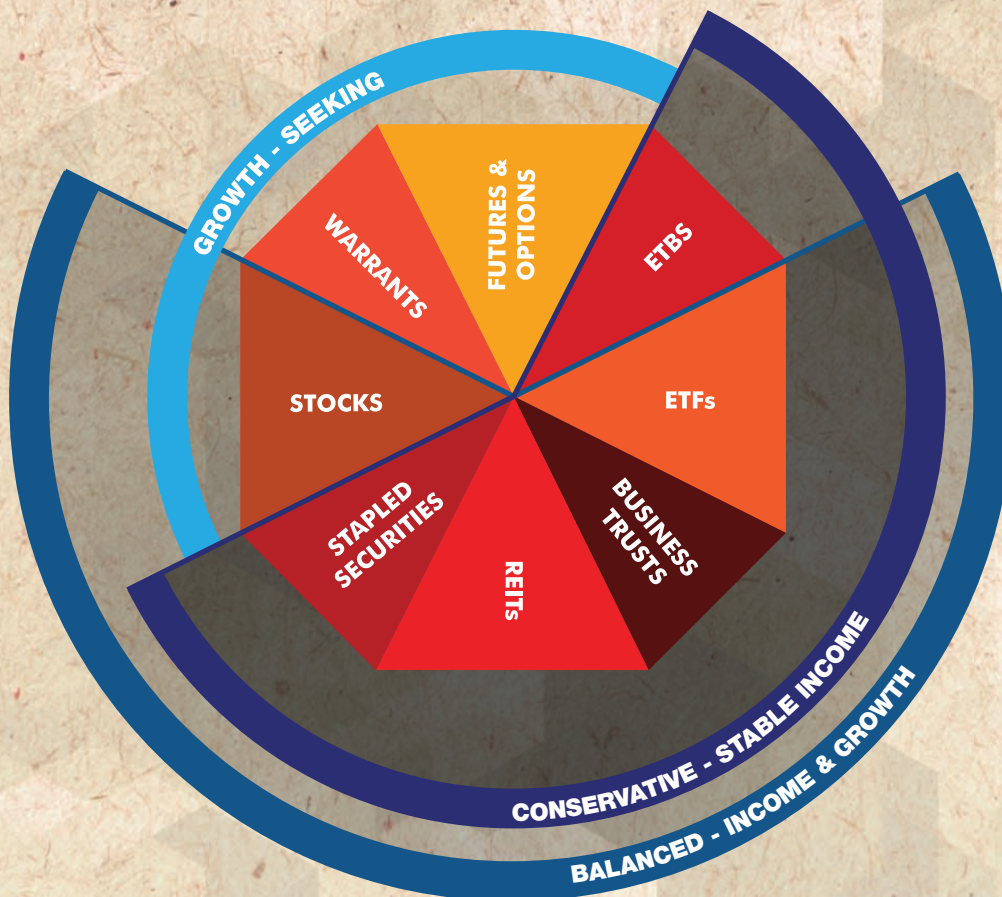
For more information, visit www.bursamalaysia.com and the respective Structured Warrants Issuers' websites.

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