

Features and Benefits of GrIDsure Enterprise

	Features	Benefits
GrIDsure technology	Creates a One time Code	<ul style="list-style-type: none"> • <i>Significantly more secure than a PIN or password</i>
	Uses a pattern, not a PIN or password	<ul style="list-style-type: none"> • <i>Shapes and patterns are ‘naturally’ easier for the human brain to remember compared to numbers or changing/multiple passwords</i>
	Repetition of characters in the GrIDsure grid.	<ul style="list-style-type: none"> • <i>PIP (Personal Identification Pattern) is resilient to Shoulder Surfing</i>
	Flexible/ bespoke character set	<ul style="list-style-type: none"> • <i>No language or literacy barriers to effectiveness</i> • <i>Increases security</i>
	Multiple levels of authentication combined into a single process	<ul style="list-style-type: none"> • <i>Creates scaleable, multi-factor security without added complexity for the user</i>
	Audit trail	<ul style="list-style-type: none"> • <i>Regulatory compliance</i> • <i>Traceability built in</i>
	No additional hardware required (e.g. token generator)	<ul style="list-style-type: none"> • <i>Nothing for the issuer to deploy, or the user to forget, lose or break</i> • <i>Cost benefits</i>
	The principle remains the same to the user, however complex the action.	<ul style="list-style-type: none"> • <i>Easy adoption for users</i> • <i>Administrators can choose the appropriate level of security and to scale it over time.</i>
	Works with Microsoft Active Directory by extending the Schema	<ul style="list-style-type: none"> • <i>Known and tested technology</i> • <i>Microsoft recommended best practice</i>
	Software Development Kit (SDK)	<ul style="list-style-type: none"> • <i>Allows developers to integrate GrIDsure functionality into other corporate applications</i>
	Secure IIS websites with a single click.	<ul style="list-style-type: none"> • <i>Provides strong authentication to your secure web sites e.g. corporate Intranets, Outlook Web Access etc</i>
	Single factor authentication – Internal access External access	<ul style="list-style-type: none"> • <i>Challenge grid activated by Active Directory</i> • <i>Grid presented on the web</i>

Two factor authentication/grid on mobile phone	<ul style="list-style-type: none"> • <i>No additional hardware</i> • <i>Low cost</i> • <i>High flexibility</i> • <i>Easily deployed</i> • <i>Supported on virtually all java-based mobile phones.</i>
Mobile phone can be used as a 'second factor' device	<ul style="list-style-type: none"> • <i>Two factor authentication</i> • <i>High Security</i> • <i>Low cost</i> • <i>Uses a device that the user is likely to be carrying anyway</i> • <i>Works with the majority of Java-enabled phones</i> <p><i>No two users will see the same grid at the same time as each device will have a personalised "key"</i></p>
Two factor authentication/grid on the local desktop Laptops can be used as a "second factor" device	<ul style="list-style-type: none"> • <i>Two factor authentication without the need for tokens</i> • <i>Low cost</i> • <i>No additional hardware required</i> • <i>High security</i> • <i>User convenience</i> • <i>Easy to deploy</i> • <i>Confirm access through owned or managed PC's</i> <p><i>No two users will see the same grid at the same time as each device will have a personalised "key"</i></p>
RADIUS support for remote access	<ul style="list-style-type: none"> • <i>Industry standard protocol to support virtually all firewall devices / Network Access Servers (NAS)</i> • <i>High flexibility</i>
Compatible with Windows Server 2003 and 2008 (32bit) XP and Vista clients	<ul style="list-style-type: none"> • <i>Microsoft compatibility</i>
Designed and built on standard Microsoft development architecture	<ul style="list-style-type: none"> • <i>Safe and proven integration with Microsoft</i> • <i>Uses underlying Microsoft server architecture for security, scalability and fault tolerance</i>

<u>Resistance to attacks</u>	Resistant to: <ul style="list-style-type: none"> - Brute force attack - Shoulder surfing - Key logging - Screen scraping 	<ul style="list-style-type: none"> • <i>The security of a GrIDSure application is scalable to the threat level faced</i>
	PIP (Personal Identification Pattern) - Not published, not given away	<ul style="list-style-type: none"> • <i>Resilient to brute force attack</i> • <i>Resilience against shoulder surfing</i> • <i>Resilience to key logging or screen scraping</i>
	Alpha-numeric grids can be used for web login	<ul style="list-style-type: none"> • <i>Resilience to Brute Force Attacks and Denial of Service (DOS) attacks</i>
	Stronger than Single Factor	<ul style="list-style-type: none"> • <i>"1.5" factor authentication, stronger than fixed passwords, without the deployment issues for the issuer, or additional stresses for the user.</i>
<u>Authentication Factors</u>	Policy based security	<ul style="list-style-type: none"> • <i>Gives the administrator flexibility and control to define a variety of parameters in line with a particular security policy.</i> • <i>Scalable</i> • <i>Extends the standard Microsoft policy settings</i>
<u>Administrator options</u>	PIP length	<ul style="list-style-type: none"> • <i>Many more permutations to the PIP</i>
	Grid size	<ul style="list-style-type: none"> • <i>The grid can be customised to variable sizes</i>
	Web grids can be alpha, numeric, or pictorial. Users can define the actual font used	<ul style="list-style-type: none"> • <i>Flexibility</i> • <i>Security</i> • <i>Supports multiple character sets</i>
<u>Administration</u>	Uses standard Microsoft administration tools by : Adding new tabs onto 'Active Directory Users and Computers' Additional tabs on IIS Admin tool Use of the Microsoft MMC tool	<ul style="list-style-type: none"> ▪ <i>No need to learn new tools</i> ▪ <i>Intuitive to use</i>