About Integral

Integral Memory is a brand of Integral Memory plc, a company founded in 1989 in the UK as the era of the PC was just being established. We began by supplying memory for very early PCs and data systems. Later in 1999 we began producing some of the very first memory cards and USB drives for the fast growing digital technology market.

Today, Integral Memory produces a wide range of memory and storage products including: DRAM, memory cards, USB Flash Drives and Solid State Drives (SSD). We have also developed a specialism in producing AES 256-bit hardware encrypted USB and SSD. All our products are fully warranted and supported.

We operate from facilities in the UK (design, R&D and testing); we have further offices in France, Spain, The Netherlands, USA and UAE. Our products are sold by resellers in more than 50 countries and are trusted by large corporates, government departments and educational institutions.

Our passion is to bring you the latest memory products built on quality, reliability and great pricing.

Introducing Integral LED

An Integral LED division was created in 2013 to sell and support LED lighting products by building on our 25 years of experience in technology and semiconductor products. An LED chip and flash chips used to make memory products are both semiconductors. We are meeting the challenge to create a comprehensive range of well-priced, innovative, low energy LED products that perform, saving you energy and money, as well as benefiting the environment.

Visit our new website www.integral-LED.com
Become an Integral LED reseller.
Crypto SSD

Crypto SSD is the Full Disk Encryption solution for Windows desktops and laptops. Featuring AES 256-bit Hardware Encryption so you can encrypt and protect your sensitive data and get the speed, reliability and power benefits of SSD. Once encryption is set, a valid user name and password is required to access the Crypto SSD prior to system boot (before Windows loads).

- **Rugged Design** - The electronics are sealed in tamper-free epoxy resin and then shielded by a metal outer case
- **High-speed Read/Write** - up to 240MB/s
- **Quick Boot** - Using a solid state disk in place of a traditional hard drive can cut your desktop computer or laptop’s boot time in half
- **Shockproof** - no moving parts, so a greater resistance to shock and vibration than HDD
- **Ultra-slim form factor (7mm)** - Ideal for the latest slimline laptops, 7mm — 9mm adapter also included
- **Silent operation** - no spin or seek time
- **Low heat** - a more comfortable user experience
- **Low power usage** - laptop battery will last far longer with SSD than HDD

- **Endpoint security software compatible** - The Integral Crypto SSD operates comfortably with endpoint security solutions by using the configurable unique ID feature, which is part of the software
- **OPAL compliant specification available** - please contact sales team for information
- **Warranty** - 2 Years

**Crypto SSD SATA III - FIPS 140-2**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
<td>INSSD64GS625M7CR140</td>
</tr>
<tr>
<td>128GB</td>
<td>INSSD128GS625M7CR140</td>
</tr>
<tr>
<td>256GB</td>
<td>INSSD256GS625M7CR140</td>
</tr>
<tr>
<td>512GB</td>
<td>INSSD512GS625M7CR140</td>
</tr>
</tbody>
</table>

**Crypto SSD SATA III - FIPS 197**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
<td>INSSD64GS625M7CR197</td>
</tr>
<tr>
<td>128GB</td>
<td>INSSD128GS625M7CR197</td>
</tr>
<tr>
<td>256GB</td>
<td>INSSD256GS625M7CR197</td>
</tr>
<tr>
<td>512GB</td>
<td>INSSD512GS625M7CR197</td>
</tr>
</tbody>
</table>

* Based on internal testing
Crypto mSATA SSD
Crypto mSATA SSD is the Full Disk Encryption solution for small form factor Windows laptops and UltraBooks. Featuring AES 256-bit Hardware Encryption so you can encrypt and protect your sensitive data and get the speed, reliability and power benefits of SSD. Once encryption is set, a valid user name and password is required to access the Crypto mSATA SSD prior to system boot (before Windows loads).

- Secure Design - the electronics are sealed in tamper-free epoxy resin
- High-speed Read/Write - up to 240MB/s
- Quick Boot - Using a solid state disk in place of a traditional hard drive can cut your desktop computer or laptop’s boot time in half
- Shockproof - no moving parts, so a greater resistance to shock and vibration than HDD
- Silent operation - no spin or seek time
- Low heat - a more comfortable user experience
- Low power usage - laptop battery will last far longer with SSD than HDD
- Endpoint security software compatible - The Integral Crypto mSATA SSD operates comfortably with endpoint security solutions by using the configurable unique ID feature, which is part of the software
- mSATA form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Warranty - 2 Years

Crypto mSATA SSD - FIPS 140-2

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>32GB</td>
<td>INSSD32GMSA6MCR140</td>
</tr>
<tr>
<td>64GB</td>
<td>INSSD64GMSA6MCR140</td>
</tr>
<tr>
<td>128GB</td>
<td>INSSD128GMSA6MCR140</td>
</tr>
<tr>
<td>256GB</td>
<td>INSSD256GMSA6MCR140</td>
</tr>
</tbody>
</table>

Crypto mSATA SSD - FIPS 197

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
<td>INSSD64GMSA6MCR197</td>
</tr>
<tr>
<td>128GB</td>
<td>INSSD128GMSA6MCR197</td>
</tr>
<tr>
<td>256GB</td>
<td>INSSD256GMSA6MCR197</td>
</tr>
</tbody>
</table>

Why choose hardware encryption over software encryption?
The major difference between hardware encryption and software encryption is that with hardware based encryption, the encryption and decryption processes are carried out by a dedicated processor (part of the Integral Crypto hardware). In software encryption, the resources of the device on which the software is installed are used for the encrypting and decrypting of data. This makes hardware encryption much faster. Another significant advantage of hardware encryption is that the cryptographic key is stored in a separate inaccessible portion of memory storage, making it more secure than software encryption.

What is the difference between FIPS 140-2 and FIPS 197 certification?
FIPS 197 certification looks at the hardware encryption algorithms used to protect the data. FIPS 140-2 is the next more advanced level of certification. FIPS 140-2 includes a rigorous analysis of the product’s physical properties. So, with a FIPS 140-2 certified Integral SSD, the tamper-proof design of the circuit board has been approved, as well as the data encryption.

Crypto SSDs are used and trusted worldwide by government departments, global corporations and SMEs.
The Integral P Series 3 SSD combines enterprise class performance and reliability with low power operation to make the ideal hard disk replacement. The high read and write performance of the P Series 3 SSD will satisfy the most demanding power user and gamer. The low power consumption extends battery life to increase productivity whilst on the move.

- 2.5 inch form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Fully compatible with devices and OS that support the SATA standard
- Non-volatile Flash Memory for outstanding data retention
- Ultra-efficient Block Management and Wear Leveling
- Advanced SandForce 2281 controller technology
- 3 Year Warranty

**mSATA**
The Integral mSATA 6Gbps MLC SSD delivers all of the advantages of flash memory technology with the Serial ATA III interface and conforms to the mSATA standard generated by JEDEC, known as MO-300.

- mSATA form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Performance: Faster boot than HDD. Faster access to applications, enhanced productivity and increased efficiency
- Fully compatible with devices and OS that support the SATA standard with mSATA interface

<table>
<thead>
<tr>
<th>mSATA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>32GB</td>
<td>INSSD32GM6A6M</td>
</tr>
<tr>
<td>64GB</td>
<td>INSSD64GM6A6M</td>
</tr>
<tr>
<td>128GB</td>
<td>INSSD128GM6A6M</td>
</tr>
<tr>
<td>256GB</td>
<td>INSSD256GM6A6M</td>
</tr>
</tbody>
</table>

**P Series 3 Sata III 2.5”**
The Integral P Series 3 SSD is the ideal hard disk replacement when reliability and speed are the key factors. Boot and shut down your system faster, and enjoy more responsive programs. With no moving parts, zero noise and low power consumption, this is the ideal cost effective upgrade for your laptop or desktop.

- PATA IDE Interface
- Performance: Faster startup/boot and Read/Write speeds (compared to HDD). Faster access to applications, enhanced productivity and increased efficiency.
- No mechanical parts
- Highest reliability
- Extreme shock resistance
- Zero noise
- No heat generation
- Low power consumption - improved battery lifetime on Laptop

**Series 3 SATA III 6Gb/s**

<table>
<thead>
<tr>
<th>P Series 3 Sata III 2.5” SSD</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>120GB</td>
<td>INSSD120G625M7XP3</td>
</tr>
<tr>
<td>240GB</td>
<td>INSSD240G625M7XP3</td>
</tr>
<tr>
<td>480GB</td>
<td>INSSD480G625M7XP3</td>
</tr>
</tbody>
</table>

**Z Series PATA 2.5”**
The Z Series SSD from Integral is the ideal hard disk replacement when reliability and speed are the key factors. Boot and shut down your system faster, and enjoy more responsive programs. With no moving parts, zero noise and low power consumption, this is the ideal cost effective upgrade for your laptop or desktop.

- PATA IDE Interface
- Performance: Faster startup/boot and Read/Write speeds (compared to HDD). Faster access to applications, enhanced productivity and increased efficiency.
- No mechanical parts
- Highest reliability
- Extreme shock resistance
- Zero noise
- No heat generation
- Low power consumption - improved battery lifetime on Laptop

**Series 3 SATA III 6Gb/s**

<table>
<thead>
<tr>
<th>Z Series PATA 2.5”</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
<td>INSSD64GP25MXZ</td>
</tr>
<tr>
<td>128GB</td>
<td>INSSD128GP25MXZ</td>
</tr>
</tbody>
</table>

* Based on internal testing
**SSD - Solid State Drives**

**Z Series PATA ZIF 1.8”**

The Z Series SSD from Integral is the ideal hard disk replacement when reliability and speed are the key factors. Boot and shut down your system faster, and enjoy more responsive programs. With no moving parts, zero noise and low power consumption, this is the ideal cost effective upgrade for your laptop or desktop.

- PATA Interface with ZIF (Zero Insertion Force) Connector
- Performance: Faster start-up/boot and Read/Write speeds (compared to HDD). Faster Access to applications, enhanced productivity and increased efficiency.
- No mechanical parts
- Highest reliability
- Extreme shock resistance
- Zero noise
- No heat generation
- Low power consumption - improved battery lifetime on laptops

<table>
<thead>
<tr>
<th>Z Series PATA ZIF 1.8”</th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
</tr>
<tr>
<td>128GB</td>
</tr>
</tbody>
</table>

**PATA DOM**

The easiest way to add SSD reliability and speed direct to your motherboard. The Integral PATA DOM (PATA Flash Module) can be inserted directly onto the motherboard via any PATA IDE interface to replace an HDD. Ideal for applications where reliability, speed, low power consumption and zero noise are paramount. This product offers designers an easy solution to integrate SSD into PC-based systems.

- IDE Interface (female) 40 pin or 44 pin with PATA Control Signal
- Available in Vertical or Horizontal versions (All 40 pin PATA DOM are supplied with 4 pin LP4 power connector)
- User can set to Master or Slave (using jumper pins. just like HDD)
- Also known as PATA Flash Module (AFM)

**Portable SSD**

The Integral Portable SSD brings together the reliable and ultra-fast combination of SSD and USB 3.0, in a lightweight credit-card sized enclosure. With speeds up to 230 MB/s\(^*\) you can move, copy and backup large amounts of data faster than ever before at the office, home or on the move.

- USB 3.0 data transfer
- Backwards compatible with USB 2.0 devices
- Lightweight and compact, credit-card size casing
- Powered by USB port, no external power is required.
- USB cable included
- Read speed up to 230 MB/s\(^*\)
- Write speed up to 140 MB/s\(^*\)

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* Based on internal testing
**Crypto Dual**  FIPS 140-2 & FIPS 197

- **Dual password / Master password override** in addition to a high-strength user password. If a user forgets their password the Crypto Dual can be accessed with a master password by an IT administrator (optional)
- **Dual OS** - Compatible with both Windows and Mac
- **AES 256-bit hardware encryption**
- **FIPS 140-2/FIPS 197 Validated** - Certificate No. 1821/1137
- **Secure Entry** - Data cannot be accessed without the correct high strength alphanumeric 8-16 character password. A password hint option is available. The password hint cannot match the password
- **Brute-Force Password Attack Protection** - Data is automatically erased after 6 failed access attempts. The data and encryption key are securely destroyed and the Crypto Drive is reset
- **Auto-lock** - The Crypto Drive will automatically encrypt all data and lock when removed from a PC or when the screen saver or “computer lock” function is activated on the host PC
- **Password Entry Count** - The Crypto Drive records the failed entry count. e.g. if the Crypto is removed after 2 failed attempts and reinserted, the drive will resume with the 3rd attempt
- **Personal ID Function** - As an option, contact details can be added to the Crypto that can be viewed without compromising encrypted data
- **Unique number** - The USB pin on each drive is etched with a unique and random 7-digit code. This allows a record to be kept of which drive has been allocated to a specific user
- **Rugged triple-layer waterproof design** - Protects the Crypto Drive against knocks, drops, break-in and submerging in water. The electronics are sealed in epoxy resin and then shielded by a steel inner case. The rubberised silicone outer casing provides a final layer of protection
- **Multi-lingual interface** and a simple user interface for “out of the box” use

**Crypto Dual Plus**  FIPS 140-2 & FIPS 197

- Feature set as above
- Expanded design allows for massive storage capacity of 64GB and 128GB
- 4-Channel access for faster read/ write

---

* Based on internal testing

---

**Crypto Dual 140-2**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>2GB</td>
<td>INF02GCRYPTODL140-2</td>
</tr>
<tr>
<td>4GB</td>
<td>INF04GCRYPTODL140-2</td>
</tr>
<tr>
<td>8GB</td>
<td>INF08GCRYPTODL140-2</td>
</tr>
<tr>
<td>16GB</td>
<td>INF16GCRYPTODL140-2</td>
</tr>
<tr>
<td>32GB</td>
<td>INF32GCRYPTODL140-2</td>
</tr>
</tbody>
</table>

**Crypto Dual 197**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>2GB</td>
<td>INF02GCRYPTODL197</td>
</tr>
<tr>
<td>4GB</td>
<td>INF04GCRYPTODL197</td>
</tr>
<tr>
<td>8GB</td>
<td>INF08GCRYPTODL197</td>
</tr>
<tr>
<td>16GB</td>
<td>INF16GCRYPTODL197</td>
</tr>
<tr>
<td>32GB</td>
<td>INF32GCRYPTODL197</td>
</tr>
</tbody>
</table>

**Crypto Dual Plus 140-2**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
<td>INF064GCRYDLPL140-2</td>
</tr>
<tr>
<td>128GB</td>
<td>INF128GCRYDLPL140-2</td>
</tr>
</tbody>
</table>

**Crypto Dual Plus 197**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
<td>INF064GCRYDLPL197</td>
</tr>
<tr>
<td>128GB</td>
<td>INF128GCRYDLPL197</td>
</tr>
</tbody>
</table>

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Unique ID available for use with Endpoint system, see page 31
**USB - Hardware Encryption**

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**Courier Dual USB 3.0 FIPS 197**

- **Dual password / Master password override** in addition to a high-strength user password. If a user forgets their password the Courier Dual can be accessed with a master password by an IT administrator (optional).
- **AES 256-bit hardware encryption**
- **FIPS 197 Validated** - Certificate No. 2590
- **USB 3.0 SuperSpeed data transfer** - with compatible PC/Mac hardware
- **Secure Entry** - Data cannot be accessed or removed without the correct high strength 8-16 character password
- **Brute-force Password Attack Protection** - Data will be automatically erased after 6 failed access attempts and Drive reset
- **Dual OS** - Compatible with both Windows and Mac
- **Personal ID Function** (optional) - Contact details can be added so that Drive can be returned, whilst confidential data remains secure
- **Zero Footprint** - No software installation required
- **Multi-lingual interface** and a simple user interface for "out of the box" use

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**Courier USB 3.0 FIPS 197**

- Feature set as above
- Single user password

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**Crypto Drive FIPS 140-2 / FIPS 197**

- **AES 256-bit hardware encryption**
- **FIPS 140-2/FIPS 197 Validated** - Certificate No. 1821/1137
- **Dual OS (FIPS 197 only)** - Compatible with both Windows and Mac
- **Secure Entry** - Data cannot be accessed without the correct high strength alphanumeric 8-16 character password. A password hint option is available. The password hint cannot match the password
- **Brute-Force Password Attack Protection** - Data is automatically erased after 6 failed access attempts. The data and encryption key are securely destroyed and the Crypto Drive is reset
- **Auto-lock** - The Crypto Drive will automatically encrypt all data and lock when removed from a PC or when the screen saver or "computer lock" function is activated on the host PC
- **Zero Footprint** - No software installation required
- **Password Entry Count** - The Crypto Drive records the failed entry count. e.g. if the Crypto is removed after 2 failed attempts and reinserted, the drive will resume with the 3rd attempt
- **Personal ID Function** - As an option, contact details can be added to the Crypto that can be viewed without compromising encrypted data
- **Unique number (FIPS 140-2 only)** - The USB pin on each drive is etched with a unique and random 7-digit code. This allows a record to be kept of which drive has been allocated to a specific user
- **Rugged triple-layer waterproof design** - Protects the Crypto Drive against knocks, drops, break-in and submerging in water. The electronics are sealed in epoxy resin and then shielded by a steel inner case. The rubberised silicone outer casing provides a final layer of protection
- **Multi-lingual interface** and a simple user interface for "out of the box" use

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**Cryptomemo.com/Video**

*S Based on internal testing*
<table>
<thead>
<tr>
<th>Specs</th>
<th>Crypto 140-2</th>
<th>Crypto 197</th>
<th>Crypto Dual 197/140-2</th>
<th>Crypto Dual+ 197/140-2</th>
<th>Courier Dual 3.0 197</th>
<th>Courier 3.0 197</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available Capacities</td>
<td>2GB, 4GB, 8GB, 16GB, 32GB</td>
<td>2GB, 4GB, 8GB, 16GB, 32GB</td>
<td>2GB, 4GB, 8GB, 16GB, 32GB</td>
<td>64GB, 128GB</td>
<td>8GB, 16GB, 32GB</td>
<td>8GB, 16GB, 32GB</td>
</tr>
<tr>
<td>AES 256-bit hardware encryption</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Mandatory encryption of all files</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>USB</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0/3.0</td>
<td>2.0/3.0</td>
</tr>
<tr>
<td>Zero Footprint - No software required</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible with Endpoint security systems</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Works on Windows without administrator privileges</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Works on Mac OS X without administrator privileges</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Secure Entry - Password Mandatory</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>High-Strength Password Enforcement</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Brute Force Password Attack Protection</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Auto-Lock</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Password Entry Count</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Personal ID Function</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Rugged triple layer waterproof design</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>User manual stored on drive</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Multi-lingual interface</td>
<td>24 Languages</td>
<td>24 Languages</td>
<td>26 Languages</td>
<td>26 Languages</td>
<td>26 Languages</td>
<td>26 Languages</td>
</tr>
<tr>
<td>Dual Password</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>Dual OS - PC &amp; Mac compatible</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>4 Channel access (faster read &amp; write speeds)</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Serial Number Etching</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

What is FIPS?
FIPS (Federal Information Processing Standards) is a US & Canadian certification which is recognised around the world as AES compliant devices that can be utilized by Federal agencies or departments for the purpose of protecting sensitive data.

For more on FIPS, please see page 4

What is AES Hardware Encryption?
AES stands for Advanced Encryption Standard. Many government bodies around the world have adopted this encryption model. Integral Encrypted USB Flash Drives use the highest 256-bit AES encryption key.

Unique ID available for use with Endpoint software, see page 31

* Based on internal testing
**USB - Hardware Encryption**

**Courier FIPS 197**

- AES 256-bit hardware encryption
- FIPS 197 Validated - Certificate No. 1137
- Secure Entry - Data cannot be accessed or removed without the correct high strength 8-16 character password
- Brute-force Password Attack Protection – Data will be automatically erased after 6 failed access attempts and Drive reset
- Personal ID Function (optional) – Contact details can be added so that Drive can be returned, whilst confidential data remains secure
- Zero Footprint – No software installation required

**USB - Software Encryption**

**Titan USB 3.0**

TITAN USB 3.0 Flash Drive brings together massive capacity with superfast USB 3.0 speeds. Save time by transferring and backing up large files such as HD video and databases faster than ever before. The TITAN is built with a robust metal case and premium components to maximise performance. Optional AES 256-bit encryption software included to encrypt and protect your sensitive data.

- Up to 230 MB/s Read / 160 MB/s Write
- Aluminium casing
- PC and Mac compatible
- Includes ‘Secure Lock II’ 256-bit AES encryption software
- 2 year warranty

**Xcel USB 3.0**

USB 3.0 Xcel - our superfast, premium USB Flash Drive. Minimise your waiting times with blistering data transfer speeds; read (up to 180 MB/s) and write (up to 80 MB/s) capabilities, which is faster than many current USB 3.0 drives.

- USB 3.0 SuperSpeed
- Premium components for boosted performance
- Read speed up to 180 MB/s and a Write speed up to 80 MB/s
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- Includes ‘Secure Lock II’ 256-bit AES encryption software
- 2 year warranty

**Secure 360**

The Integral Secure 360 Flash Drive has a clever design allowing the USB socket to rotate 360° inside the casing, providing easy access to your data and eliminating the need for a cap.

- Capless design, casing rotates 360°
- Stylish black casing
- Includes ‘Secure Lock II’ 256 bit encryption software
- Intelligent Protection - Data will be automatically erased after 10 failed access attempts. Drive is then reset and can be re-used
- Drag and drop interface for on the go encryption
- 2 year warranty

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* Based on internal testing
**NEW**

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**Slide USB 3.0 OTG**

The Integral Slide USB 3.0 OTG features dual USB connectors, so you can move data and media files between your devices in a fast, convenient way. A full-sized USB connector provides USB to PC/Mac data transfer and a micro USB connector enables USB On-The-Go; so you can transfer your files from PC/Mac to compatible smartphones and tablet PCs.

- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

### Slide USB 3.0 OTG

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<th>Capacity</th>
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<tbody>
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<td>64GB</td>
<td>INF064GBSLDOTG3.0NRP</td>
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**USB OTG Adapter + Fusion**

With the Integral OTG Adapter and Fusion USB bundle you can transfer files to and from your USB to a compatible smartphone and tablet PC. The OTG Adapter features a micro USB connector that will convert any Flash Drive to a USB On-The-Go drive, so you can enjoy more content on your portable device and save time transferring files between phone, tablet and personal computer.

**OTG Adapter**

- Data transfer at USB 2.0 speeds

**Fusion USB 2.0**

- Low-profile casing
- Smallest USB Flash Drive in the Integral range
- PC and Mac compatible
- 2 year warranty

### USB OTG Adapter + Fusion

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<td>32GB</td>
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---

**USB OTG Adapter**

- Data transfer at USB 2.0 speeds
- Compatible with all Integral USB Flash Drives and support for other brands

### USB OTG Adapter

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</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

*An App may be required on your smartphone or tablet PC to access the data stored on the USB drive.

---

* Based on internal testing
**USB 3.0 - SuperSpeed**

**Metal Fusion 3.0**
The small metal and lightweight ‘leave-in’ USB Flash Drive with a SuperSpeed data transfer rate.
- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

<table>
<thead>
<tr>
<th>Capacity</th>
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<tbody>
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<tr>
<td>64GB</td>
<td>INFD64GBFU3.0</td>
</tr>
</tbody>
</table>

**TAG USB 3.0**
Tag 3.0 is a small, practical USB Flash Drive with a durable and stylish metal casing. Featuring a robust clip that allows the drive to be securely fastened onto bags, rucksacks, lanyards and key-chains for safe keeping.
- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

**Chroma USB 3.0**
USB 3.0 Chroma has a capless design with a smooth thumb slide and is available in three eye-catching metallic colours.
- USB 3.0 SuperSpeed
- Read speed up to 100 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

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<th>Capacity</th>
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**TAG USB 2.0**
- USB 2.0

**Chroma USB 2.0**
- USB 2.0

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<td>16GB</td>
<td>INFD16GBCHBK/BL/PK</td>
</tr>
</tbody>
</table>

* Based on internal testing
Pastel USB 3.0

The Pastel USB has a compact design and soft coloured casing. Featuring a SuperSpeed data transfer rate, that is many times faster than an equivalent USB 2.0 drive.

- USB 3.0 SuperSpeed
- Read speed up to 80 MB/s*, and a Write speed up to 10 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

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<td>64GB</td>
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</tr>
</tbody>
</table>

Courier USB 3.0

Courier USB 3.0 Flash Drive combines a great-value price with a SuperSpeed data transfer rate. Now you can backup, transfer and access your digital content faster than ever.

- USB 3.0 SuperSpeed
- Read speed up to 180 MB/s*, and a Write speed up to 45 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Model</th>
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</table>

Neon USB 3.0

Neon USB 3.0 Flash Drive combines an eye-catching fluorescent casing with a SuperSpeed data transfer rate.

- Available in fluorescent Orange and Blue
- USB 3.0 SuperSpeed
- Read speed up to 110 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

<table>
<thead>
<tr>
<th>Capacity</th>
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<td>64GB</td>
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</tr>
</tbody>
</table>

Noir USB 3.0

Noir USB 3.0 Flash Drive combines a great-value price with a SuperSpeed data transfer rate.

- USB 3.0 SuperSpeed
- Read speed up to 110 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

<table>
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Pastel 3.0

- 8GB INFD8GBPASBL3.0
- 16GB INFD16GBPASBL3.0
- 32GB INFD32GBPASBL3.0
- 64GB INFD64GBPASBL3.0

* Based on internal testing
USB 2.0 - Flash Drives

Black USB
The Integral Black is our best-value USB Flash Drive.
- Cap stores on base when drive is in use
- PC and Mac compatible
- 2 Year Warranty

<table>
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</table>

Courier
The Integral USB Courier has a translucent blue casing with silver colour edging. Its clever design allows you to store the cap on the end of the Flash Drive when in use.
- Stylish translucent blue casing
- Cap stores in base when Drive is in use
- LED indicator
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

Evo
The Integral Evo is a great value USB Flash Drive with translucent blue casing. Its clever design allows you to store the cap on the end of the Flash Drive when in use.
- Entry-level product
- Stylish translucent blue casing
- Cap stores in base when Drive is in use
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

360
The Integral 360 Flash Drive has a clever design allowing the USB socket to rotate 360° inside the casing, providing easy access to your data and eliminating the need for a cap.
- Capless design, casing rotates 360°
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31
**Slide**

Transfer data without fuss with the Integral Slide. The USB has a capless design with a smooth thumb slide and is available in three eye-catching colours.

- Capless design, just push and slide
- Available in blue, pink or white
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

<table>
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**Fusion**

The small and lightweight ‘leave-in’ USB Flash Drive, ideal for compatible laptops, netbooks, tablet PCs, TVs, Blu-ray players, games consoles, home and car audio systems.

- Low-profile casing
- Smallest USB Flash Drive in the Integral range
- PC and Mac compatible
- 2 year warranty

<table>
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</table>

**ARC**

The Integral Arc USB is a durable and stylish Flash Drive that will look great alongside a modern desktop or laptop computer and will fit perfectly on a set of keys for easy portability.

- Metal key shaped USB casing
- Designed to be fastened securely to a keychain
- PC and Mac compatible
- 2 year warranty

<table>
<thead>
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<th>Model</th>
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<td>64GB</td>
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</table>

**Key**

The Integral Key USB is a durable, metal, key-shaped Flash Drive with stainless steel casing.

- Metal key shaped USB casing
- Designed to be fastened to a key chain
- PC and Mac compatible
- 2 year warranty

<table>
<thead>
<tr>
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<td>INFD32GBKEY</td>
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</table>
USB 2.0 - Flash Drives

**Pastel**
The Integral Pastel is a compact, pastel coloured USB Flash Drive.
- Pastel coloured casing - ‘Lavender Haze’ and ‘Blue Sky’
- Cap stores on base when drive is in use
- PC and Mac compatible
- 2 Year Warranty

<table>
<thead>
<tr>
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<th>Lavender Haze</th>
<th>Blue Sky</th>
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</table>

**UltraLight**
The UltraLite Flash Drive is the lightest USB in the Integral range. Perfect for carrying your data and for use in the latest netbooks, laptops, home and car audio systems. UltraLite has a low-profile, capless design and is supplied with a key-chain.
- Integral’s lightest USB Flash Drive - just 2 grams!
- Small enough to fit on your key-ring
- Low-profile, capless design supplied with a key-chain
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

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**Splash**
Carry your data in style with the Integral USB Splash Drive. The attractive shock and water resistant rubberised casing gives the Splash drive a cool look and tactile feel.
- Tactile rubberised casing available in blue, yellow, pink and black
- Shock and splash proof
- Complete with key chain that stores cap when in use
- LED indicator
- PC and Mac compatible
- 2 year warranty

**Neon**
The Integral Neon USB lets you carry your data in style. The Neon USB with its compact design and bright fluorescent casing is a great addition to the Integral range.
- Stylish fluorescent casing in Yellow, Pink, Orange or Blue
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

<table>
<thead>
<tr>
<th></th>
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</table>
Xpression USB Flash Drives

The Integral Xpressions USB Flash Drive range are perfect for the fashion conscious user with their contemporary designs.

Available in a variety of different styles the Xpression USBs are reliable, compact Flash Drives.

- For the fashion conscious user
- Cap stored on USB Flash Drive when in use
- PC and Mac compatible
- 2 year warranty

**Xpression USB**

<table>
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</table>

*Other capacities available on request*
The Simpsons

The world’s most dysfunctional family arrive in USB format - introducing The Simpsons USB 2.0 Flash Drives. Be the envy of your friends with USB drives featuring Springfield’s finest; Homer, Bart and Lisa Simpson. Celebrate the most successful animated series ever and stand out from the crowd with a cool Simpsons USB.

• Simpsons USB drive casing exclusively designed from soft rubberised silicone
• Highly detailed casing ensure Simpsons characters are authentic
• Choose from Homer, Bart and Lisa Simpson drives

The Simpsons

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</tr>
<tr>
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<td>INFD8GBLISA</td>
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</table>

Lapins Cretins

After invading the world, the Lapins Cretins have not yet had their final word! Now in a collaboration between Ubisoft and Integral, the crazy Lapins Cretins arrive in USB Flash Drive format.

• Pre-loaded with Lapins Cretins wallpapers and mp3 sound effect files, to brighten up your Mac or PC experience (Happy only)
• Lapins Cretins USB drive casing exclusively designed from soft rubber

Lapins Cretins

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Model</th>
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</thead>
<tbody>
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<td>8GB</td>
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</table>
**SDHC 95-90 Class 10**
The fastest UltimaProX SDHC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.
- Ultra-fast speed; ideal for recording 1080p Full HD video and RAW and jpeg images
- Ultra-fast read / write, with up to 95 MB/s* read and 90 MB/s* write
- SDHC Class 10
- UHS-I, Class 1 controller

**SDXC 95-60 Class 10**
The fastest UltimaProX SDXC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.
- Ultra-fast speed; ideal for recording 1080p Full HD video and RAW and jpeg images
- Ultra-fast read / write, with up to 95 MB/s* read and 60 MB/s* write
- SDXC Class 10
- UHS-I, Class 1 controller

**SDHC 95-60 Class 10**
UltimaProX SDHC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.
- Ultra-fast speed; ideal for recording 1080p Full HD video and RAW and jpeg images
- Ultra-fast read / write, with up to 95 MB/s* read and 60 MB/s* write
- SDHC Class 10
- UHS-I, Class 1 controller

---

**SDHC 95-90 C10 Card**

<table>
<thead>
<tr>
<th>Size</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>8GB</td>
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</tr>
<tr>
<td>16GB</td>
<td>INSDH16G10-95/90U1</td>
</tr>
<tr>
<td>32GB</td>
<td>INSDH32G10-95/90U1</td>
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</tbody>
</table>

**SDXC 95-60 C10 Card**

<table>
<thead>
<tr>
<th>Size</th>
<th>Part Number</th>
</tr>
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<tbody>
<tr>
<td>64GB</td>
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<tr>
<td>128GB</td>
<td>INSDX128G10-95/60U1</td>
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**SDHC 95-60 C10 Card**

<table>
<thead>
<tr>
<th>Size</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>16GB</td>
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<tr>
<td>32GB</td>
<td>INSDH32G10-95/60U1</td>
</tr>
</tbody>
</table>

* Based on internal testing
Memory Cards - Premium

**UltimaPro SDXC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.**

- Super-fast speed; ideal for recording 1080p Full HD video and RAW and jpeg images
- Up to 45 MB/s transfer speed
- UHS-I, Class 1 controller

**UltimaPro SDHC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.**

- Super-fast speed; ideal for recording 1080p Full HD video and RAW and jpeg images
- Massive storage and high-speed; ideal for recording Full HD video and RAW and jpeg images
- Up to 45 MB/s transfer speed
- UHS-I, Class 1 controller
- Supplied with an Integral SDXC card reader to ensure safe data transfer from your SDXC memory card to your computer, see page 11 for further details.

### SDXC 45 MB/s Class 10

- 64GB INSDX64G10-45

### SDXC 45 MB/s Class 10 + Reader

- 64GB INSDX64G10-45RU1

### SDHC 45 MB/s Class 10

- 8GB INSDH8G10-45
- 16GB INSDH16G10-45
- 32GB INSDH32G10-45

* Based on internal testing
**microSDXC 40 MB/s**
**microSDHC 40 MB/s**
**Class 10**

UltimaPro microSDXC/microSDHC Class 10 memory cards are ideal for use in smartphones, tablet PCs, digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video and images
- High-performance for fast saving and playback of apps, music, games, images and video
- Up to 40 MB/s transfer speed
- microSDXC works in SDXC devices using supplied Adapter
- microSDHC works in SDHC devices using supplied Adapter

<table>
<thead>
<tr>
<th>Capacity</th>
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<tbody>
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<tr>
<td>32GB</td>
<td>INMSDH32G10-40U1</td>
</tr>
</tbody>
</table>

**microSDXC 40 MB/s**
**microSDHC 40 MB/s**
**Class 10 + Reader**

UltimaPro microSDHC Class 10 memory cards from are a great accessory for your smartphones, tablet PCs, digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video and images
- Up to 40 MB/s transfer speed
- The supplied micro Card Reader allows fast and convenient data transfer from the microSDHC card to a PC or Mac without the need for mobile phone cables. The card reader is small and lightweight and can easily be carried on a key-chain

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>64GB</td>
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</tr>
<tr>
<td>32GB</td>
<td>INMSDH32G10-40NAUSBR</td>
</tr>
</tbody>
</table>

**microSDXC 20 MB/s**
**microSDHC 20 MB/s**
**Class 10**

UltimaPro microSDXC/microSDHC Class 10 memory cards are ideal for use in smartphones, tablet PCs, digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video and images
- High-performance for fast saving and playback of apps, music, games, images and video
- Up to 20 MB/s transfer speed
- microSDXC works in SDXC devices using supplied Adapter
- microSDHC works in SDHC devices using supplied Adapter

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4GB</td>
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</tr>
<tr>
<td>8GB</td>
<td>INMSDH8G10-20V2</td>
</tr>
</tbody>
</table>
Memory Cards - Entry-level

SDHC Class 10
Our great value, entry-level Class 10 SDHC cards provide a high-speed read and write speed, which is ideal for capturing images and HD video.
- For use in compliant devices including: digital cameras, HD camcorders, MP3 players, Satellite Navigation systems, digital photo frames, DAB radios, TVs, car audio, tablet PCs, laptops and netbooks
- Up to 30 MB/s* read speed, 200x

<table>
<thead>
<tr>
<th>SDHC C10 Card</th>
<th>4GB*</th>
<th>INS DH4G10V1</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>16GB</td>
<td>INS DH16G10V1</td>
<td></td>
</tr>
<tr>
<td>32GB</td>
<td>INS DH32G10V1</td>
<td></td>
</tr>
</tbody>
</table>

SDHC Class 4
With capacities up to 32GB available and Class 4 guaranteed minimum write speed, Integral SDHC cards are perfect for images and video.
- For use in SDHC compliant devices including: digital cameras, camcorders, MP3 players, Satellite Navigation systems, digital photo frames, DAB radios, tablet PCs, laptops and netbooks
- Available with a hard camera case bundle, see page 25
- SDHC Class 4

<table>
<thead>
<tr>
<th>SDHC C4 Card</th>
<th>4GB</th>
<th>INS DH4G4V2</th>
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<tr>
<td>16GB</td>
<td>INS DH16G4V2</td>
<td></td>
</tr>
<tr>
<td>32GB</td>
<td>INS DH32G4V2</td>
<td></td>
</tr>
</tbody>
</table>

Memory Card Cases Quad Pack
Integral Memory Card Case. Protect your data and your memories with our robust storage cases.
- Great value 4 pack
- For use with microSD, microSDHC and microSDXC cards
- For use with SD, SDHC and SDXC cards
- Cards not included

<table>
<thead>
<tr>
<th>Memory Card Cases</th>
<th>microSD Case</th>
<th>IN MSQ1AD0B0X</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD Case</td>
<td>INSDQ1AD0B0X</td>
<td></td>
</tr>
</tbody>
</table>

* Based on internal testing
microSDHC Class 4

microSDHC memory cards from Integral are a great accessory for your compatible mobile phone, digital camera, tablet PC and MP3 player. Store more images, music, ringtones, games, apps and video than ever before.

- Store up to 32GB of data on your portable device with a microSDHC
- High compatibility controller
- microSDHC Class 4

micro SDHC Class 4 + Adapter

microSDHC memory cards from Integral are a great accessory for your compatible mobile phone, digital camera, tablet PC and MP3 player. Store more images, music, ringtones, games, apps and video than ever before.

- Store up to 32GB of data on your portable device with a microSDHC
- microSDHC Class 4
- The supplied SDHC Adapter provides a massive increase in the versatility of the microSDHC card. Now it can work in thousands of SDHC Card compatible digital cameras, camcorders, card readers, MP3 players, navigation systems and laptops

<table>
<thead>
<tr>
<th>microSDHC C4 Card</th>
<th>microSDHC C4 + Adapter</th>
<th>microSDHC C4 + Reader</th>
</tr>
</thead>
<tbody>
<tr>
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<td>INMSDH4G4NAV2</td>
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</tr>
<tr>
<td>8GB</td>
<td>INMSDH8G4NAV2</td>
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</tr>
<tr>
<td>32GB</td>
<td>INMSDH32G4NAV2</td>
<td>32GB</td>
</tr>
</tbody>
</table>

micro SDHC Class4 + Reader

microSDHC memory cards from Integral are a great accessory for your compatible mobile phone, digital camera, tablet PC and MP3 player. Store more images, music, ringtones, games, apps and video than ever before.

- Store up to 32GB of data on your portable device with a microSDHC
- microSDHC Class 4
- The supplied micro Card Reader allows fast and convenient data transfer from the microSDHC card to a PC or Mac without the need for mobile phone cables. The card reader is small and lightweight and can easily be carried on a key-chain
**Memory Cards - CompactFlash**

**UltimaPro CompactFlash 800x**

- Super-fast write speed of up to 120 MB/s (800x)*
- Rapid image playback with a read speed of up to 120 MB/s (800x)*
- Supports up to UDMA 7
- CompactFlash Association approved
- CF 6.0 compliant product - supports the Sanitize command (the ultimate card refresh)

**UltimaPro CompactFlash 300x**

- High-speed write speed of up to 45 MB/s* (300x)
- Rapid image playback with a read speed of up to 45 MB/s (300x)
- Supports up to UDMA 6
- CompactFlash Association approved
- CF 5.0 compliant product - includes more efficient commands (higher performance) and supports Trim operations for consistent speed

**Integral CompactFlash memory cards** are great value and perfect for amateur and professional photographers. For use in CompactFlash compatible DSLR cameras.

- Entry-level CompactFlash card
- Great value and excellent reliability
- CompactFlash Type I
- CompactFlash Association approved

---

**CompactFlash 800x**

- 32GB: INCF32G800W
- 64GB: INCF64G800W
- 128GB: INCF128G800W

**CompactFlash 300x**

- 16GB: INCF16G300W
- 32GB: INCF32G300W
- 64GB: INCF64G300W
- 128GB: INCF128G300W

**CompactFlash**

- 4GB: INCF4GV2
- 8GB: INCF8GV2
Great value
SDHC memory card and camera case bundle

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>4GB</td>
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<tr>
<td>8GB</td>
<td>INSDH8G10-20CASE-H</td>
</tr>
<tr>
<td>16GB</td>
<td>INSDH16G10-20CASE-H</td>
</tr>
</tbody>
</table>
USB 3.0 SuperSpeed Card Reader

An Integral USB 3.0 Card Reader uses the latest USB 3.0 SuperSpeed technology, so that transferring and playing your memory card’s digital content such as HD video, photos, games and large documents is faster than ever before.

- Less waiting! Transfer your HD video, images and other digital content between your memory card and PC/Mac without the delays associated with slower USB 2.0 technology
- Up to 10x faster transfer speed than a USB 2.0 Card Reader, using USB 3.0 connection
- If you already use high-speed memory cards such as Class 10 SDHC, then the Integral USB 3.0 Card Reader will maximise their high-speed potential
- 3 memory card slots - no card adapters required
- Fully compatible with USB 2.0 (USB 2.0 transfer speed)
- USB 3.0 SuperSpeed interface
- Supports the latest high-speed card formats; SDHC UHS-I and SDXC UHS-I
- PC and Mac compatible

Compatible with the following Memory Cards
- SD Card, SDHC, SDXC (including SDHC UHS-I and SDXC UHS-I)
- microSD, microSDHC, microSDXC
- miniSD, miniSDHC
- MemoryStick
- Memory Stick Micro (M2)
- Memory Stick PRO-HG Duo HX
- Memory Stick PRO
- Memory Stick Duo and PRO Duo

Mobile Reader

The Integral Mobile Card Reader allows you to transfer all types of files between a range of mobile memory cards and your PC. It’s quick and easy. Move, save and delete all types of files including data, videos, images, games and music. The ideal accessory for your mobile phone and digital camera.

- High speed specification
- Plug and Play
- PC and Mac compatible
- Compact design
- 2 year warranty

Compatible with the following Memory Cards
- SD, SDHC, SDXC, microSD, microSDHC, microSDXC, miniSD, miniSDHC
- MemoryStick, M2, MemoryStick PRO, MemoryStick Duo, PRO Duo and MemoryStick PRO - HG Duo HX
- MMC, MMCplus, MMCmobile

Multicard

Rapidly transfer files from your memory card to your Desktop, Notebook or Mac computer and save your device batteries using the Integral MultiCard Reader.

- High speed connection
- Plug and Play
- PC and Mac compatible
- Complete with USB extension lead
- 2 year warranty

Compatible with the following Memory Cards
- SD, SDHC, SDXC, microSD, microSDHC, microSDXC, miniSD*, miniSDHC*
- MemoryStick, M2, MemoryStick Pro, MemoryStick Duo and Pro Duo
- xD, CompactFlash, MMC, MMCplus, MMCmobile, RSMMC
*Adapter required
**Dual Slot**

The Integral Dual Slot SDXC Card Reader provides a fast and safe way of transferring data between the latest SDXC memory card format and your PC or Mac.

- Plug and Play
- PC and Mac compatible
- Compact design
- Card not included
- 2 year warranty

**Compatible with the following Memory Cards**

- SDXC, SDHC, SD Card
- microSD, microSDHC, microSDXC
- miniSDHC, miniSD
- MMCmobile
- MMC, MMCplus
  *With SD Card Adapter (not included)*

---

**Single Slot**

The Integral Single Slot Card Readers allow you to transfer your memory card files onto your PC with ease.

- Plug and Play
- PC and Mac compatible
- Compact design
- Card not included
- 2 year warranty

**Available for**

- SD/SDHC/SDXC
- CompactFlash

---

**micro Reader**

Transfer and share your mobile’s photos, videos, mp3’s and data files with ease. Small enough to tie onto your mobile handset or carry on your key-chain. Card Reader can be used as a USB Flash Drive if you keep your microSD/microSDHC card installed in the device.

- Perfect mobile phone accessory
- Compatible with microSD, microSDHC and microSDXC cards
- PC and Mac compatible
- 2 year warranty
  * Card not included

---

**Single Slot Reader**

<table>
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<tr>
<th>Card Reader</th>
<th>Model</th>
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</thead>
<tbody>
<tr>
<td>SD Card Reader</td>
<td>INCRSDNRP</td>
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<tr>
<td>CF Card Reader</td>
<td>INCRCF</td>
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</table>

**microSD Card Reader**

<table>
<thead>
<tr>
<th>Card Reader</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>microSD</td>
<td>INCMSDMINIUSB</td>
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</table>
Integral stock an extensive range of DRAM available on next day delivery. We provide a lifetime warranty on all modules. Highlights from our product line-up are featured below.

**DDR3**

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<thead>
<tr>
<th>INTEGRAL PIN</th>
<th>DESCRIPTION</th>
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<tbody>
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<td>8GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V</td>
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<tr>
<td>IN3T6GNAJKX</td>
<td>8GB DDR3-1333 DIMM CL8 UNBUFFERED 1.5V</td>
</tr>
<tr>
<td>IN3T6GNYGIX</td>
<td>8GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V</td>
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<tr>
<td>IN3T6GNAJKX</td>
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<tr>
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<td>4GB DDR3-1333 DIMM CL8 UNBUFFERED 1.5V</td>
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<tr>
<td>IN3T4GNYGIX</td>
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<tr>
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**DDR3 CONTINUED**

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<td>16GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.35V</td>
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<td>IN3T6GGRKX</td>
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**DDR3 SERVER REGISTERED LOW POWER**

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<tr>
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**DDR3 SERVER REGISTERED**

<table>
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<tr>
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<th>DESCRIPTION</th>
</tr>
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<tr>
<td>IN3T16GRAHJX</td>
<td>16GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.35V</td>
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<tr>
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<td>IN3T6GGRKJX</td>
<td>6GB DDR3-1066 ECC DIMM CL7 RANK4 REGISTERED 1.35V</td>
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</table>

**DDR3 SERVER FULLY BUFFERED**

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<th>DESCRIPTION</th>
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<td>2GB DDR3-1600 ECC DIMM CL7 RANK2 REGISTERED 1.35V</td>
</tr>
</tbody>
</table>

*10 years only in France, Germany and Austria*
**Desktop Memory Upgrade**

You can improve the speed and overall performance of your Desktop PC by increasing the RAM using Integral Memory upgrades. This means less down time, faster programmes and applications and an overall better user experience.

By increasing performance Integral Memory also prolongs the life of your PC, making our memory upgrades one of the simplest and cost effective ways of upgrading your system.

**Laptop Memory Upgrade**

Laptop performance is critical to many business uses. To improve speed and efficiency installing extra RAM will ensure you get the best results. Integral Memory’s wide range of upgrades are specifically designed to meet the intense demands placed by today’s mobile computers.

**Server Memory Upgrade**

Memory is essential for high-end servers, file servers, mail servers, running of day-to-day business applications etc; memory is the key for better performance. Networks and web servers will operate at great speed and be able to handle more traffic by installing more RAM.

Integral Memory’s Server upgrades will provide a consistent, reliable and stable network support environment, to ensure today’s demand for constant access are met. Through our use of the premium grade components and extensive testing we can provide compatible solutions of the same high quality and reliability expected from your server.

**Integral Memory Configurator**

Use the Integral Memory Configurator to find the correct DRAM memory upgrade for your Desktop PC, Mac, Laptop or Server. You can search by Manufacturer, Model number or the (OEM) Manufacturers memory part number. In three simple steps you can go from start to finish, ready to place your order or call us for our latest prices.

[www.integralmemory.com/config](http://www.integralmemory.com/config)

**As easy as 1 2 3**

1. Choose your computer manufacturer
2. Choose the range of your computer
3. Your results are displayed

**DRAM Spec Sheets**

Integral Desktop, Laptop, Server and Retail DRAM memory module spec sheets are available on the Integral memory website.

The spec sheets include physical dimensions, speed, timing and configuration.
Own Brand Products

Integral Memory are experienced in supplying own branded products for major retailers, OEMs, distributors and online resellers that have commanded significant market share for our customers.

From product selection, design, packaging, production and delivery - we can provide a full service, leaving you to do what you do best, selling the product.

Promotional Customised USB

We can customise USB Flash Drives with a logo, data loading, auto-run and data protection features perfect for events, corporations, education and government.

We also have a wide range of cool and creative USB designs for our customers to choose from and the ability to print a logo or image across the entire USB, with a stunning full colour print finish.

We can provide you with rapid visuals and a fast turnaround.

Promote your company or event with a personalised USB Flash Drive

Full Colour printing allows logos with shading and gradients to be used

All-over printing is also available

The design options are endless

Laser etching is available, giving you a premium effect

Any type of content can be preloaded

Logos can be printed in up to 4 Pantone matched colours

Fast content duplication service
Unique ID for Endpoint software

The Integral hardware encrypted Flash Drive range can be personalised with a designated company identifying name or number. This will allow a Network Administrator to block access to unrecognised USBs for security purposes, whilst allowing the Integral encrypted Flash Drive to function as the ‘official’ company drive.

During production a personalised tag (e.g. “LONDON UNIVERSITY”) can be embedded into the Crypto that can be viewed on a PC. The tag gives Endpoint software a convenient way to identify Integral drives.

Each drive can be personalized further (upon request) with an individual user specific personal tag e.g. “LONDON UNIVERSITY – USER1234” if required.

This personalisation can be offered on any Integral USB Flash Drive (requested at time of order).

Customisation

Customisation Available - Your own serial number etching, Flash Drive and GUI can be customised to suit your brand (subject to minimum order quantities).

Memory Card & USB Flash Drive
Content Pre-Loading Services

Integral Memory can provide a full service including sourcing, memory card supply, duplication, packaging and distribution. We are skilled in producing movies, games, music and navigation maps on memory cards.

Bundling

Integral work with global camera brands to produce memory card bundling deals for digital cameras and camcorders. We also partner with IT manufacturers to bundle Integral memory cards with tablet PCs and our USB Flash Drives with laptops.
### Head Office
Integral Memory plc  
Unit 6 Iron Bridge Close  
Iron Bridge Business Park  
London  
NW10 0UF  
England  
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