

[PRODUCT SHEET]

Product:	Ascom Elise3
	Embedded and solid state
	For high reliability and mission-critical linux-based applications
	Available in four different variants



ASCOM Elise3 SERVER PLATFORM EASY HANDLING, COST EFFICIENT AND SCALABLE

The Ascom Elise3 adapts to IT standards (19" racks) which makes it easy to store and handle.

The Elise3 module is available in different variants – from dedicated use for IP-based applications and telephony services to integration with existing technology platforms and business systems.

Dedicated and reliable messaging

Ascom Elise3 is a modern highly reliable and cost efficient hardware platform for Unite messaging and alarm applications. The Elise3 modules are designed for scalable solutions and are efficient in small to large installations, where the server modules may be stacked to serve a large amount of users, physical interfaces and/or performance required features.

The Elise3 has standards based hardware interfaces, optional software packages, openness regarding development platform and protocols.

- Dual memory areas make it possible to upgrade/downgrade the software on the module while it is in operational mode which minimises system interruptions and down-time.
- The in-built power supply reduces the need for external power supply.
- Space efficient due to its small size and several mounting options including 19" racks.
- System management, direct accessible via the mini USB-port. You are certain that you are working with the correct server.
- Standards based hardware interfaces.
- Solid state – low maintenance cost and long life cycle.
- Future proof – Elise3 supports integration with all Ascom systems and other legacy systems.

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I/O (Input/Output)	Elise3Lite	Elise3 Standard	Elise3 LON
Serial ports: 2 × RS232 (D-sub-9 male connectors), used for external interfaces ESPA, Ascom Line protocol, TAP, etc	–	Yes	Yes
2 × modular jacks (RJ45) used for System 900 A-bus	–	Yes	Yes
1 × screw terminal used for System 900 A-bus	–	Yes	–
1 × screw terminal used for LON bus	–	–	Yes
LAN: 2 (One for future use, not yet software supported) × 10baseT or 100baseT Ethernet (Modular jack, RJ45)	Yes	Yes	Yes
USB ports: 2 × USB Host port 2.0 full speed	Yes	Yes	Yes
1 × Mini-USB_B Device port 2.0 full speed	Yes	Yes	Yes
Error relay output: Configurable solid state relay – make/break operation, used for fault actions and error indications, 100 mA, 30 V DC	Yes	Yes	Yes
AUX outputs: 2 × galvanically isolated open collector outputs, 100 mA, 30 V DC	Yes	Yes	Yes
AUX inputs: 2 × digital inputs	Yes	Yes	Yes
Power supply: 1 × screw terminal for a 12-24 V DC external power supply, or 12 V DC lead battery max. 10 Ah	Yes	Yes	Yes

Elise3 Technical Specifications		
Dimensions: (h × w × d): 44 × 220 × 199 mm Weight: 1465 g for Elise3 Lite 1520 g for Elise3 Standard Material: Sheet metal/plastic Colour: Grey/white	Environmental Operating temperature: 0°C to +40°C Storage temperature: -25°C to +55°C Relative humidity: 30-85% (non condensing) Enclosure protection: IP40 Immunity to electromagnetic fields: 10 V/m Immunity to ESD: 6 kV contact discharge and 8 kV air discharge	Accessories Standard 19" rack kit for Elise3: Small left/right brackets for two front mounted Elise3 and one big bracket for one front mounted Elise3 Reverse 19" rack kit for Elise3: Small bracket for two reverse mounted Elise3 and one big bracket for one reverse mounted Elise3
Functional Supply voltage: 100 - 240 V AC ±20%, 12 - 24 V DC (-25% and +20%) (24 hours backup requires a 12V battery with at least 4.8 Ah) Current consumption: Max. 275 mA at AC input (100 - 240 V AC) Max. 1A at DC input (12V)	Memory SDRAM: 256 MB NAND flash: 1 GB (for the SW application) Serial data flash: 8 MB (for booting purposes) SD card: 1 × slot for 1 GB SD card (Secure Digital non-volatile memory) Currently not software supported (for future use)	