

RELEASE NOTE

EXOS 302

Intelligent Ethernet Controller Board

Board Revision A

Revision A of the EXOS 302 Intelligent Ethernet Controller board is for use with VMEbus systems. The board connects a VMEbus system to an IEEE 802.3 or Ethernet local-area network (LAN).



|| Please read this entire release note, as well as the *EXOS 302 Intelligent Ethernet Controller Reference Manual* before installing and using the EXOS 302 board.

If you have any questions or comments, please contact

Customer Service Center
Excelan, Inc.,
2180 Fortune Drive
San Jose, CA 95131
(408) 434-2285



|| This release note applies only to boards using 16-bit slave addressing.

COMPONENTS

Revision A of the EXOS 302 Intelligent Ethernet Controller board is shipped in a single box that contains the following items:

- This release note (Part No. 4230280-00, Rev. A)
- One EXOS 302 board (Part No. 9820041-99, Rev. A)
- The *EXOS 302 Intelligent Ethernet Controller Reference Manual*, (Publication No. 4200090-00, Rev. A).

VARIATIONS FROM EXOS 302 MANUAL

The slave addressing of the EXOS 302 board differs from that explained in the *EXOS 302 Reference Manual* as follows:

- The board has PALs that cause the EXOS 302 board to respond only to a 16-bit address modifier. These are PALs 9500200A and 9500201A, which are at locations U61 and U53, respectively.

The PALs are programmed to respond to one of four addresses, depending on jumper settings, as listed below. The port numbers listed in the *EXOS 302 Reference Manual* remain the same.

J42	J43	Base Address (hex)
out	out	FD80
out	in	FE00
in	out	FE80
in	in	FF00

- The valid address modifiers are 29 and 2D (hexadecimal).
- Jumper J46 has no effect on the slave address size.
- The board occupies 128 addresses above the base address.

The configuration of the master addressing portion of the board is not affected by these changes.

EVALUATION OF THE EXOS 302 BOARD

Please take a few minutes to complete the form below and return it to Excelan.

Your name: _____

Organization & address: _____

Board version level _____

NX version level _____

Model of computer _____

Operating system and version: _____

Did you experience installation problems? _____

Comments and suggestions: _____

Feature(s) you would most like to see added: _____

Overall evaluation: _____

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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud.

Secondly, the document highlights the need for transparency and accountability in all financial operations. This involves providing clear and accessible information to all stakeholders and ensuring that all actions are justified and documented.

Thirdly, the document stresses the importance of regular audits and reviews. These processes are crucial for identifying any discrepancies or irregularities and for ensuring that all financial activities are in compliance with applicable laws and regulations.

Finally, the document concludes by stating that a strong financial system is the foundation of a successful organization. By adhering to the principles outlined above, organizations can ensure the long-term stability and growth of their financial operations.

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The second part of the document focuses on the role of technology in modern financial systems. It discusses how digital tools and platforms have revolutionized the way financial data is collected, processed, and analyzed, leading to more efficient and accurate operations.

One of the key areas of focus is the use of data analytics. By leveraging advanced statistical models and machine learning algorithms, organizations can gain valuable insights into their financial performance and identify areas for improvement.

Another important aspect is the implementation of robust cybersecurity measures. As financial data becomes increasingly digitized, the risk of cyberattacks and data breaches has also increased. Organizations must invest in state-of-the-art security solutions to protect their sensitive information.

Furthermore, the document discusses the importance of digital transformation in the financial sector. This involves not only adopting new technologies but also reorganizing business processes to fully leverage the capabilities of digital tools.

In conclusion, the document emphasizes that technology is a powerful enabler of financial success. By embracing digital innovation and ensuring the security of their systems, organizations can achieve a competitive edge in the marketplace.

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The final part of the document addresses the challenges and opportunities facing the financial industry in the future. It explores emerging trends such as blockchain technology, artificial intelligence, and the growing importance of sustainable finance.

As the industry continues to evolve, organizations must remain agile and adaptable to new challenges and opportunities. By staying informed and proactive, they can navigate the complexities of the future financial landscape.