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CAEN Network's Companies

- CAEN SpA (Costruzioni Apparecchiature Elettroniche e Nucleari SpA) is an important industrial spin-off of the INFN (Istituto Nazionale di Fisica Nucleare)
- CAEN is recognized world wide as one of the leading companies in the Electronic Instrumentation field.
- CAEN Network's Companies: the experience in its field allowed CAEN to create spin-offs in new sectors as Aerospace, Microelectronics and RFID



CAEN Network's Companies





Key Strengths

- Deep knowledge of market and customer issues
- R&D Division at the forefront of technology
- Capable of providing custom solutions
- Excellent pre- and post-sales support
- Flexibility and capability of facing new markets and new products (Spin-offs)







Electronic Instrumentation

- For 30 years CAEN has been providing Scientists and Engineers with the most advanced electronic instrumentation for any particle or radiation detectors
- Strong of an extremely close collaboration with the world major research laboratories CAEN is proud to produce the best tools for:
 - High Energy Physics
 - Neutrino Physics
 - Astrophysics
 - Dark Matter Investigation
 - Nuclear Physics
 - Educational
 - Medical Applications
 - Homeland Security
 - Industrial Applications
 - and more ...





Products

- Power Supply
 - High Voltage and Low Voltage Systems
 - Multichannel NIM and VME HV Modules
- Signal Conditioning & Read-out Electronics
 - Preamplifiers
 - NIM, CAMAC and VME Front-End/Data Acquisition Modules
- Powered Crates
 - Low Ripple Linear NIM powered Crates
 - New Hi-End VME64/VME64x Crates
- Custom Developments
- Educational Tools



Products

 CAEN catalog includes more than 250 products



 40% of CAEN SpA production is Custom designed and does not appear in the catalog.



CAEN CAEN Silicon PhotoMultiplier **Educational/Evaluation Kits**



DT5720A - Desktop Digitizer:

2 Channels, 12 bit, 250 MS/s Digital Pulse Processing for Charge Integration (DPP-CI)

SP5600 - 2 Ch General Purpose Amplifier & **Power Supply Unit:**

Variable amplification gain up to 50 dB Wideband Amplifier Fast leading edge discriminator and time coincidence Provides sensor bias (120 V max.) with gain stabilization USB 2.0 interface

SP5601 - Ultra-fast LED driver: Width of pulse: 3 ÷ 60 ns LED color: violet (400nm), 1500 mcd Internal/external pulse generator FC optical output connectors

SP5602 - Scintillating Tile: (100 x 100 x 10 mm3) Scintillator: polystyrene WLS fiber embedded

SP5603 - Mini Spectrometer:

Mechanical structure for optimal SiPM to crystal

coupling

Crystal dimensions: 3 x 3 x 15 mm3

Included crystals: LYSO, BGO, Csl