

FALC-2

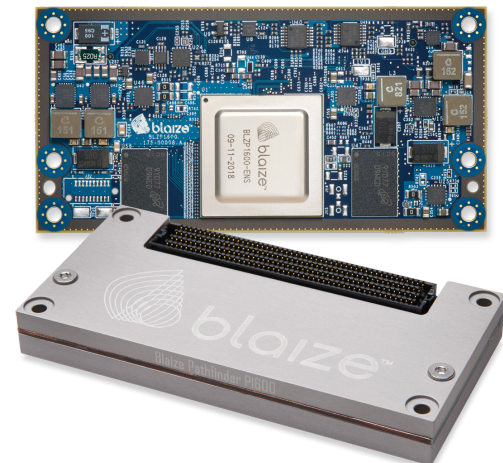
MARKETS SERVED

- ✓ Video Surveillance & Security
- ✓ Smart City
- ✓ Smart Retail
- ✓ Public Infrastructure
- ✓ Agriculture
- ✓ Warehouse and Industrial



PRODUCT HIGHLIGHTS

- ✓ Small form factor (160 x 125 x 80mm)
- ✓ Compatible with the Blaize P1600 System on Module with:
 - ✓ Dual ARM Cortex A53
 - ✓ One (1) Blaize El Cano 16TOPs GSP
- ✓ H.264/H.265 Video Encoder Decoder
- ✓ 2-20 HD 1080P cameras dependent on fps requirements
- ✓ Supports both commercial and industrial temperature range



FEATURES

PROCESSOR	Dual ARM Cortex A53
MEMORY	4GB LPDDR4
STORAGE	- 8GB eMMC - One (1) Micro-SD slot for expansion
GRAPHICS & AI ACCELERATION	One (1) Industrial Blaize P1600 SoM: - 16 TOPS El Cano 1600 GSP - Data formats INT8, INT16, BF16, FP16, FP32, FP64 H.264/H.265 encode and decode
AUDIO & DISPLAY	One (1) HDMI 1.4 With HDMI A Type Connector
LAN	One (1) 1GbE RJ-45 port
SENSOR CONNECTIVITY	Two (2) HD resolution cameras, 1080P @ 30fps
USB	- Two (2) USB 3.2 Gen1 Type A ports - One (1) USB Type-C (Support UART) port
COM	One (1) RS-232 DB9 COM port
POWER REQUIREMENT	12V _{dc} input, 4-pin Jack port
MECHANICAL	- Deskmount - Weight: ~2kg - Dimensions (H x W x D): 3.14" x 6.29" x 4.92" (80mm x 160 mm x 125mm)
ENVIRONMENTAL	Operating temp.: - Commercial: 0°C to 60°C - Industrial: -20°C to 70°C Storage temp.: -40°C to 85°C - Humidity: 95% RH, non-condensing - Shock: 30 G, IEC 60068-2-27, Half Sine, 11ms duration - Vibe: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
COMPLIANCE	CE, FCC



ORDERING INFORMATION

