Professional UAV Autopilots

Max 2kg d=1g/2g   Max 5lb d=⅛ oz

g
24

KG
LB

ON
ZERO

SALTER

MicroPilot®

World Leaders in Small UAV Autopilots

1994

Professional UAS Autopilots

MicroPilot®
World Leader in Professional UAS Autopilots

ITAR — NON-ITAR PRODUCTS

ISO 9001:2000 REGISTERED — QUASAR

SINCE 1994

1994
MicroPilot incorporated

1998
MP2000 MicroPilot's first UAV autopilot

2003
MP2028^g, a 28 gram autopilot

2003
Introduced HORIZON^{mp} Ground Control Station Software

2004
Move to Stony Mountain and opened Flight Facility

2004
Introduced XTENDER^{mp} software developer's kit

2005
launched MP2128^g high performance UAV autopilot

2006
Introduced LRC Dual Frequency autopilots

2007
MP2128^{heli} Rotary wing autopilot

2008
Introduced trueHWIL highest fidelity simulator

2009
ISO9001 Certified

2010
Introduced MP2128^{3X} triple redundant autopilot

2011
MP2128^{g2} second generation high performance UAV autopilot

2012
Helicopter Auto-rotation, Tumble Recover

2013
Introduced Xtender ^{Validate}

● **Industry first**

*Over 850 Customers
in more than 70 Countries*

MicroPilot®
World Leader in Professional UAS Autopilots

Customer
Research
Education

MicroPilot - P.O. Box 720, 72067 Road 8E, Sturgeon Rd., Stony Mountain, Manitoba, Canada R0C 3A0,
P: 1.204.344.5558 | F: 1.204.344.5706 | E: info@micropilot.com | www.micropilot.com

Over 850 Customers in more than 70 Countries

MicroPilot®
World Leader in Professional UAS Autopilots

ITAR — 100% NON-ITAR PRODUCTS
QUASAR — ISO 9001:2000 REGISTERED
SINCE 1994

NASA
ST Engineering
Raytheon
SAIC — From Science to Solutions
IAI
Defence Research and Development Canada — Recherche et développement pour la défense Canada

NORTHROP GRUMMAN
CASSIDIAN — AN EADS COMPANY
RHEINMETALL
OTO MELARA — A Finmeccanica Company

DSO NATIONAL LABORATORIES
MBDA MISSILE SYSTEMS
LOCKHEED MARTIN
bertin TECHNOLOGIES
gatewing — A TRIMBLE COMPANY
MITRE

QinetiQ
SNC SIERRA NEVADA CORPORATION — ELECTRONIC SYSTEMS AND INTEGRATION — INNOVATIVE & AGILE TECHNOLOGY SOLUTIONS
SAGEM
Chemring Technology Solutions
Patria
RAFAEL — SMART AND TO THE POINT

MicroPilot - P.O. Box 720, 72067 Road 8E, Sturgeon Rd., Stony Mountain, Manitoba, Canada R0C 3A0,
P: 1.204.344.5558 | F: 1.204.344.5706 | E: info@micropilot.com | www.micropilot.com

What we make

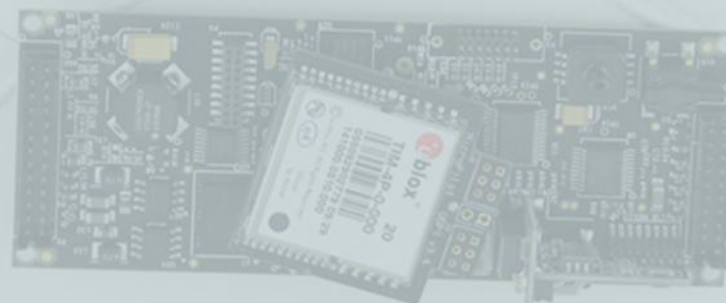MP2128^{LRC}

MP2128^{3X}

AUTOPILOT

- ❑ **Professional UAV autopilots**

- ❑ **Made to the highest standards**

- ❑ **Different models for various application**

  -Helicopter, fixed wing, multi-rotor,

  surface vehicle and airship

  -Board level or enclosed

- ❑ **Manufacturers are our primary market**

Family of UAV Autopilots

2128³ˣ *Triple redundancy UAV autopilot*

- ❑ **First and only triple redundant UAV autopilot for fixed wing and helicopter platforms**

- ❑ **Three full autopilots**

- ❑ **Advanced voting logic**

- ❑ **Redundant communication channels**

- ❑ **Three GPS receivers**

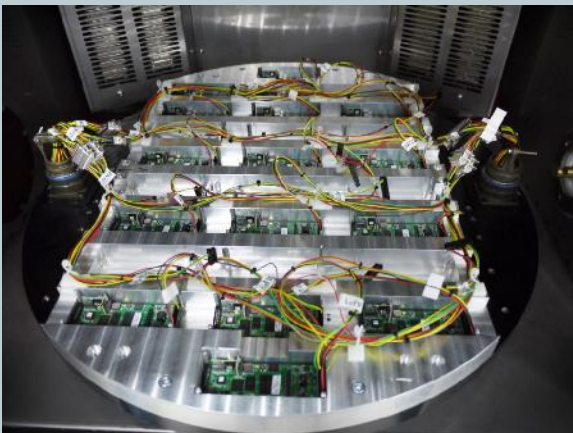- ❑ **Synchronization – smooth transition between autopilots**
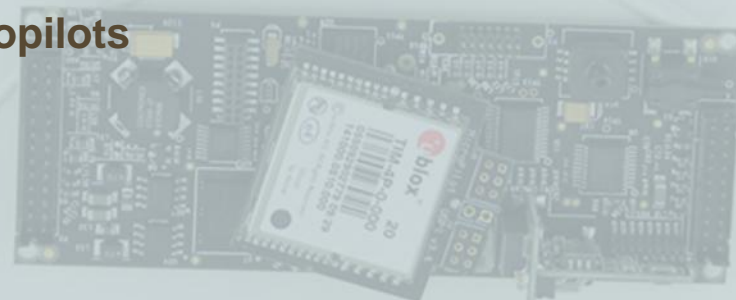
Professional Design
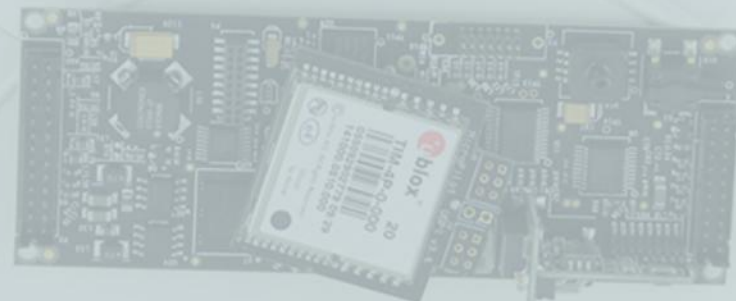
- ❑ **Team of multi discipline developers**

- ❑ **Ongoing development of new capabilities**

- ❑ **Nightly checks on code built during the day**

- ❑ **Custom software and hardware for specific customer needs**

- ❑ **In-house or at customer's location**

Professional Grade Manufacturing

- ❑ **IPC-3 highest reliability circuit board**

- ❑ **ISO9001 Certification**

- ❑ **20 years' experience**

- ❑ **Tested -60C to +90C and to 70G**

- ❑ **Extremely low failure (<0.5%)**

- ❑ **Automated calibration -40C to 85C**

- ❑ **Up to 10 calibration points, ESS, conformal coating, underfill and final checks**

- ❑ **Automated calibration – consistency between autopilots**

Professional Tools for Customization

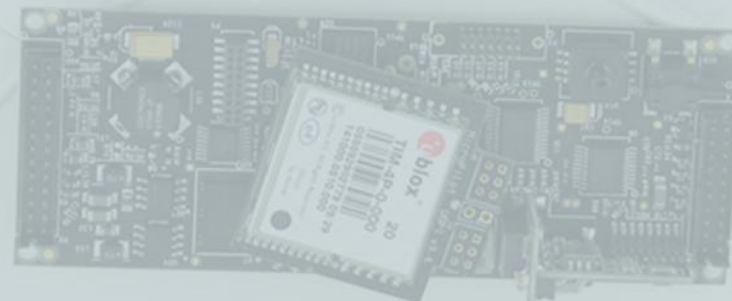**MicroPilot®**
World Leader in Professional UAS Autopilots

❑ **Horizon GCS**

❑ Mission simulator for testing and training purposes

❑ Point and click interface runs on Windows

❑ Multiple UAV profiles

❑ Operator can monitor autopilot, change waypoints, upload new flight plans, initiate holding patterns, adjust feedback loop gains during flight

❑ **Xtender SDK**

❑ Develop custom software to run parallel on autopilot hardware

❑ Develop interfaces to critical onboard devices

trueHWIL

❑ **Highest fidelity simulator available**

❑ **Electrically simulates all autopilot sensors**
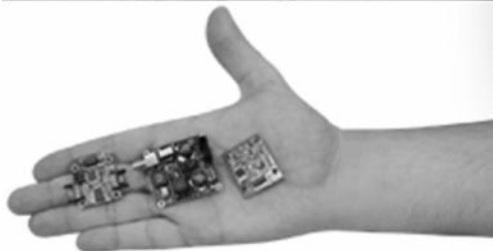
❑ **Perfect tool for building iron bird**

Professional UAV Autopilots

Thank you

Contact