



USB Adapters; UA1000

| MIL-STD-1553: MONITOR Only | |
|------------------------------------------------------------------------------------------|-----------|
| 1 Monitor Only MIL-STD-1553 Channel One Dual-Redundant, Monitor Only Channel | UA1110 |
| w/ CoPilot Analyzer | CP-UA1110 |
| 2 Monitor Only MIL-STD-1553 Channels Two Dual-Redundant, Monitor Only Channels | UA1111 |
| w/ CoPilot Analyzer | CP-UA1111 |
| 4 Monitor Only MIL-STD-1553 Channels Four Non-Redundant Monitor Only Channels | UA1140 |
| w/ CoPilot Analyzer | CP-UA1140 |

| MIL-STD-1553 Protocol | |
|----------------------------------------------------------------------------------------------------------------------------|-----------|
| 1 Single-Function 1553 Channel One Dual-Redundant, Single-Function BC, RT(31), or Monitor Channel | UA1120 |
| w/ CoPilot Analyzer | CP-UA1120 |
| 2 MIL-STD-1553 Channels One Dual-Redundant, Single-Function Channel and One Dual-Redundant, Monitor Only Channel | UA1121 |
| w/ CoPilot Analyzer | CP-UA1121 |
| 2 Single-Function 1553 Channels Two Dual-Redundant, Single-Function BC, RT(31), or Monitor Channels | UA1122 |
| w/ CoPilot Analyzer | CP-UA1122 |
| 1 Multi-Function 1553 Channel One Dual-Redundant, Multi-Function BC, RT(31), and Monitor Channel | UA1130 |
| w/ CoPilot Analyzer | CP-UA1130 |
| 2 MIL-STD-1553 Channels One Dual-Redundant, Multi-Function Channel and One Dual-Redundant, Monitor Only Channel | UA1131 |
| w/ CoPilot Analyzer | CP-UA1131 |
| 2 Multi-Function 1553 Channels Two Dual-Redundant, Multi-Function BC, RT(31), and Monitor Channels | UA1133 |
| w/ CoPilot Analyzer | CP-UA1133 |

| ARINC Protocols | |
|----------------------------------|-----------|
| ARINC 717 2R/2T | UA1401 |
| w/ CoPilot Analyzer | CP-UA1401 |
| ARINC 429 1R/1T | UA1410 |
| w/ CoPilot Analyzer | CP-UA1410 |
| ARINC 429 4R/2T | UA1420 |
| w/ CoPilot Analyzer | CP-UA1420 |
| ARINC 429 8R/4T | UA1430 |
| w/ CoPilot Analyzer | CP-UA1430 |
| A429 8R/4T and A717 2R/2T | UA1431 |
| w/ CoPilot Analyzer | CP-UA1431 |
| ARINC 429 12R/4T | UA1440 |
| w/ CoPilot Analyzer | CP-UA1440 |
| ARINC 708 1R/1T | UA1710 |
| w/ CoPilot Analyzer | CP-UA1710 |
| ARINC 708 2R/2T | UA1720 |
| w/ CoPilot Analyzer | CP-UA1720 |

| ARINC 615 Data Loader Kits | |
|------------------------------------------------------------------------------|--------------|
| ARINC 429 1R/1T with Avionics Discretes, cable, and case | DL-UA1410-01 |
| w/ CoPilot Analyzer | DL-UA1410-02 |
| ARINC 429 4R/2T with Avionics Discretes, cable, and case | DL-UA1420-01 |
| w/ CoPilot Analyzer | DL-UA1420-02 |
| ARINC 429 8R/4T with Avionics Discretes, cable, and case | DL-UA1430-01 |
| w/ CoPilot Analyzer | DL-UA1430-02 |
| A429 8R/4T and A717 2R/2T with Avionics Discretes, cable, and case | DL-UA1431-01 |
| w/ CoPilot Analyzer | DL-UA1431-02 |
| ARINC 429 12R/4T with Avionics Discretes, cable, and case | DL-UA1440-01 |
| w/ CoPilot Analyzer | DL-UA1440-02 |

| ARINC 717 Test Sets | |
|-----------------------------------------------------------------------------------------|--------------|
| HT717-1 Replacement Includes a UA1401, FLT cable (PN 16078), and CoPilot Tool | TS-UA1401-01 |
| HT717-1 Replacement Includes a UA1431, FLT cable (PN 16078), and CoPilot Tool | TS-UA1431-01 |



COMPETITION SENSITIVE

Astronics Ballard Technology Proprietary Information
Do Not Disclose or Disseminate



USB Adapters; UA1000

| Multi-Protocols | ARINC 429 4R/2T | ARINC 429 4R/2T and ARINC 717 2R/2T | ARINC 429 4R/2T and SERIAL (see note) | SERIAL (see note) | EBR-1553 4 Ports |
|--------------------------------------------------------------------|-----------------|-------------------------------------|---------------------------------------|-------------------|---------------------|
| NO MIL-STD-1553 Channel | | | UA1503 CP-UA1503 | | UA1505 CP-UA1505 |
| w/ CoPilot Analyzer | | | | | |
| 1 Monitor Only MIL-STD-1553 Channel | UA1511 | UA1512 | UA1513 | UA1514 | UA1515 |
| One Dual-Redundant, Monitor Only Channel | CP-UA1511 | CP-UA1512 | CP-UA1513 | CP-UA1514 | CP-UA1515 |
| w/ CoPilot Analyzer | | | | | |
| 1 Single-Function MIL-STD-1553 Channel | UA1521 | UA1522 | UA1523 | UA1524 | UA1525 |
| One Dual-Redundant, Single-Function BC, RT(31), or Monitor Channel | CP-UA1521 | CP-UA1522 | CP-UA1523 | CP-UA1524 | CP-UA1525 |
| w/ CoPilot Analyzer | | | | | |
| 1 Multi-Function MIL-STD-1553 Channel | UA1531 | UA1532 | UA1533 | UA1534 | UA1535 |
| One Dual-Redundant, Multi-Function BC, RT(31), and Monitor Channel | CP-UA1531 | CP-UA1532 | CP-UA1533 | CP-UA1534 | CP-UA1535 |
| w/ CoPilot Analyzer | | | | | |
| ARINC 708 1R/1T | UA1571 | UA1572 | UA1573 | UA1574 | |
| w/ CoPilot Analyzer | CP-UA1571 | CP-UA1572 | CP-UA1573 | CP-UA1574 | |

NOTE:
SERIAL Port Availability:
4 Ports of RS485 or
2 Ports of RS232 or
2 Ports of RS422

USB Driver Software Options

| | |
|--------------|--------------------|
| | Windows Drivers |
| SW-BTIUSB-LS | Host Linux Drivers |
| SW-BTIUSB-SS | Solaris Drivers |

CoPilot Software (Non-Bundled Pricing) for USB Adapters

| | |
|------------|--------------------------------|
| SW-429-CP | CoPilot for BTI's ARINC 429 HW |
| SW-708-CP | CoPilot for BTI's ARINC 708 HW |
| SW-717-CP | CoPilot for BTI's ARINC 717 HW |
| SW-1553-CP | CoPilot for BTI's 1553 HW |
| SW-EBR-CP | CoPilot for BTI's EBR-1553 HW |
| | 2 CoPilot Protocol Bundle |
| | 3 CoPilot Protocol Bundle |

Data Loader Software (Sold Separately) for USB Adapters

| | |
|-----------|--------------------------------|
| SW-615-DL | ARINC 615 Data Loader Software |
|-----------|--------------------------------|

USB Adapter Options

| | |
|------|----------------------------------------------------------------|
| /FTO | Flight Test Orange Enclosure |
| /FXY | Conformal Coating (Parylene) Lot charge of \$1000 per order |
| /NE | No Enclosure |

USB Adapters Accessories

- Recommended accessories:
- 1ea 16064 cable to gain full access to all IRIG and/or Discrete channels
 - 1ea 16087 cable for any MIL-STD-1553 multi-protocol unit
 - 1ea 17064 cable for any ARINC 708 multi-protocol unit

